

State of California  
The Resources Agency

DEPARTMENT OF WATER RESOURCES  
Division of Operations and Maintenance

# STATE WATER PROJECT OPERATIONS DATA

For the month of:  
**August 2001**

**Gray Davis**  
Governor  
State of California

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Secretary for Resources  
The Resources Agency

**Thomas M. Hannigan**  
Director  
Department of Water Resource

State of California  
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The Resources Agency  
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Department of Water Resources  
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The organization shown above represents staff and positions relevant to this report as of publication date on April 8, 2002. It is the department's policy to not show staff in "Acting" or "Temporary" positions.

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## **MONTHLY HIGHLIGHTS**

The following highlights are activities or actions that impacted State Water Project operations during the month of August 2001.

Statewide precipitation was 75 percent of average for the 2000-2001 water year as of August 31. Statewide runoff was 45 percent of average for the water year. Precipitation percentages are used in this report to express historical and regional comparisons. Additional and more specific information is available via the Internet at: "[http://cdec.water.ca.gov/snow\\_rain.html](http://cdec.water.ca.gov/snow_rain.html)".

On August 31, total storage in major SWP reservoirs was about 2.67 MAF, compared with about 2.98 MAF at this time in 2000. The average storage in the major SWP reservoirs at the end of August was about 3.42 MAF. The August 31 storage at Lake Oroville was about 1.54 MAF as compared to 2.03 MAF last year. The State's share of San Luis Reservoir storage was about 515 TAF, as compared with 307 TAF at this time last year. On August 31, the combined storage in our southern reservoirs was about 615 TAF, compared with about 639 TAF at this time last year.

Through August, SWP water deliveries for 2001 were about 1.47 MAF. This is a combination of project, transfer, and exchange waters. This is 1.05 MAF less than delivered during the same period in 2000.

Early August diversions were restricted to insure compliance with the agricultural water quality standards, specifically the 14-day average EC at Jersey Point. Despite concerns regarding compliance with the 250 mg/l chloride standard at Contra Costa Canal Pumping Plant #1, no further restrictions to operations were considered until the last days of the month.

**Table 1. Antelope Lake**

Daily Operation

(in acre-feet except as noted)

Capacity: 22,566 ac-ft

**August 2001**

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs					Computed Inflow 1/	
				Regulated Release			Spill	Estimated Evaporation And Seepage 1/		
				Stream-flow Maint.	Water Supply Contract	Water Right				
Jul 31	4994.52e	16,214								
1	4994.48e	16,183	-31	5	0	0	0			
2	4994.44e	16,152	-31	5	0	0	0			
3	4994.40e	16,122	-30	5	0	0	0			
4	4994.36e	16,091	-31	5	0	0	0			
5	4994.32e	16,061	-30	5	0	0	0			
6	4994.27e	16,023	-38	5	0	0	0			
7	4994.22e	15,985	-38	5	0	0	0			
8	4994.19	15,962	-23	5	0	0	0			
9	4994.14	15,924	-38	5	0	0	0			
10	4994.09	15,886	-38	5	0	0	0			
11	4994.03	15,841	-45	5	0	0	0			
12	4993.99	15,810	-31	5	0	0	0			
13	4993.95	15,780	-30	5	0	0	0			
14	4993.90	15,743	-37	5	0	0	0			
15	4993.85	15,705	-38	5	0	0	0			
16	4993.83	15,690	-15	5	0	0	0			
17	4993.77	15,645	-45	5	0	0	0			
18	4993.71	15,600	-45	5	0	0	0			
19	4993.67	15,570	-30	5	0	0	0			
20	4993.61	15,525	-45	5	0	0	0			
21	4993.57	15,495	-30	5	0	0	0			
22	4993.51	15,451	-44	5	0	0	0			
23	4993.47	15,421	-30	5	0	0	0			
24	4993.43	15,391	-30	5	0	0	0			
25	4993.41	15,376	-15	5	0	0	0			
26	4993.35	15,332	-44	5	0	0	0			
27	4993.31	15,302	-30	5	0	0	0			
28	4993.26	15,258	-44	5	0	0	0			
29	4993.23	15,243	-15	5	0	0	0			
30	4993.18	15,206	-37	5	0	0	0			
31	4993.17	15,199	-7	5	0	0	0			
Total cfs-days			-- -	155	0	0	0	371	526	
Total ac-ft			-1,015	307	0	0	0	735	1,042	

1/ Values not available on a daily basis.

**Table 2. Frenchman Lake**

Daily Operation

(in acre-feet except as noted)

Capacity: 55,477 ac-ft

**August 2001**

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs					Computed Inflow 1/	
				Regulated Release			Spill	Estimated Evaporation And Seepage 1/		
				Stream-flow Maint.	Water Supply Contract	Water Right				
Jul 31	5570.68	32,126								
1	5570.54	31,969	-157	0	55	0	0			
2	5570.44	31,858	-111	0	50	0	0			
3	5570.33	31,735	-123	0	47	0	0			
4	5570.25	31,646	-89	0	34	0	0			
5	5570.18	31,569	-77	0	27	0	0			
6	5570.09	31,469	-100	0	37	0	0			
7	5569.99	31,359	-110	0	40	0	0			
8	5569.89	31,249	-110	0	50	0	0			
9	5569.80	31,150	-99	0	53	0	0			
10	5569.69	31,029	-121	0	52	0	0			
11	5569.60	30,931	-98	0	52	0	0			
12	5569.47	30,789	-142	0	43	0	0			
13	5569.37	30,680	-109	0	46	0	0			
14	5569.24	30,539	-141	0	50	0	0			
15	5569.14	30,430	-109	0	47	0	0			
16	5569.07	30,355	-75	0	27	0	0			
17	5569.02	30,301	-54	0	18	0	0			
18	5568.95	30,225	-76	0	18	0	0			
19	5568.91	30,182	-43	0	16	0	0			
20	5568.83	30,096	-86	0	20	0	0			
21	5568.77	30,031	-65	0	20	0	0			
22	5568.74	29,999	-32	0	19	0	0			
23	5568.67	29,924	-75	0	16	0	0			
24	5568.64	29,892	-32	0	14	0	0			
25	5568.61	29,860	-32	0	14	0	0			
26	5568.57	29,817	-43	0	14	0	0			
27	5568.52	29,763	-54	0	11	0	0			
28	5568.47	29,710	-53	0	10	0	0			
29	5568.43	29,667	-43	0	10	0	0			
30	5568.39	29,625	-42	0	10	0	0			
31	5568.35	29,582	-43	0	11	0	0			
Total cfs-days				---	0	931	0	0	377	
Total ac-ft				-2,544	0	1,847	0	0	748	
									2,595	
									51	

1/ Values not available on a daily basis.

**Table 3. Lake Davis**

## Daily Operation

(in acre-feet except as noted)

Capacity: 84,371 ac-ft

**August 2001**

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs						Computed Inflow 1/	
				Regulated Release			Spill	Estimated Evaporation And Seepage 1/	Total Outflow 1/		
				Stream-flow Maint.	Water Supply Contract	Water Right					
Jul 31	5765.22	49,945									
1	5765.18	49,826	-119	4	0	6	0				
2	5765.16	49,766	-60	4	0	6	0				
3	5765.11	49,616	-150	4	0	6	0				
4	5765.08	49,527	-89	9	0	1	0				
5	5765.08	49,467	-60	5	0	5	0				
6	5765.04	49,408	-59	5	0	5	0				
7	5765.00	49,289	-119	6	0	4	0				
8	5764.99	49,256	-33	6	0	4	0				
9	5764.97	49,197	-59	6	0	4	0				
10	5764.94	49,107	-90	8	0	2	0				
11	5764.92	49,048	-59	10	0	0	0				
12	5764.89	48,958	-90	10	0	0	0				
13	5764.87	48,899	-59	10	0	0	0				
14	5764.83	48,780	-119	10	0	0	0				
15	5764.80	48,691	-89	10	0	0	0				
16	5764.77	48,602	-89	10	0	0	0				
17	5764.74	48,514	-88	10	0	0	0				
18	5764.70	48,395	-119	10	0	0	0				
19	5764.67	48,307	-88	10	0	0	0				
20	5764.62	48,159	-148	10	0	0	0				
21	5764.61	48,130	-29	10	0	0	0				
22	5764.55	47,953	-177	10	0	0	0				
23	5764.53	47,895	-58	10	0	0	0				
24	5764.52	47,865	-30	10	0	0	0				
25	5764.49	47,777	-88	10	0	0	0				
26	5764.48	47,748	-29	10	0	0	0				
27	5764.46	47,689	-59	10	0	0	0				
28	5764.44	47,631	-58	10	0	0	0				
29	6764.42	47,572	-59	10	0	0	0				
30	5764.38	47,455	-117	10	0	0	0				
31	5764.36	47,397	-58	10	0	0	0				
Total cfs-days				- - -	267	0	49	0	984	1,300	
Total ac-ft				-2,548	530	0	97	0	1,951	2,578	

1/ Values not available on a daily basis.

**Table 4. Lake Oroville**

Daily Operation

(in acre-feet except as noted)

Capacity: 3,537, 580 ac-ft

**August 2001**

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow					Inflow	
				Hyatt Powerplant Generation 1/	Palermo Canal	Evaporation 2/	Spill	Total Outflow	Hyatt Powerplant Pumpback	Computed Inflow 3/
Jul 31 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	755.66	1,730,944								
	754.47	1,719,620	-11,324	13,616	33	238	0	13,887	0	2,563
	753.59	1,711,280	-8,340	12,811	33	250	0	13,094	1,633	3,121
	752.61	1,702,026	-9,254	12,099	33	261	0	12,393	0	3,139
	752.65	1,702,403	377	2,732	33	230	0	2,995	0	3,372
	752.59	1,701,837	-566	2,624	34	224	0	2,882	16	2,300
	751.60	1,692,526	-9,311	12,556	34	248	0	12,838	1,167	2,360
	750.52	1,682,410	-10,116	12,888	34	277	0	13,199	0	3,083
	749.66	1,674,384	-8,026	11,694	34	294	0	12,022	0	3,996
	748.47	1,663,324	-11,060	12,712	34	293	0	13,039	0	1,979
	747.69	1,656,103	-7,221	10,093	34	249	0	10,376	0	3,155
	747.68	1,656,011	-92	2,533	34	225	0	2,792	0	2,700
	747.63	1,655,548	-463	2,416	34	237	0	2,687	0	2,224
	746.54	1,645,497	-10,051	12,813	34	202	0	13,049	0	2,998
	745.41	1,635,121	-10,376	13,046	34	213	0	13,293	0	2,917
	744.49	1,626,709	-8,412	11,297	34	252	0	11,583	0	3,171
	743.67	1,619,236	-7,473	11,095	34	269	0	11,398	0	3,925
	742.45	1,608,163	-11,073	12,686	34	321	0	13,041	0	1,968
	741.97	1,603,820	-4,343	6,497	34	249	0	6,780	0	2,437
	741.93	1,603,459	-361	3,500	34	261	0	3,795	401	3,033
	741.08	1,595,792	-7,667	10,751	34	255	0	11,040	990	2,383
	740.31	1,588,868	-6,924	9,578	34	202	0	9,814	0	2,890
	739.54	1,581,966	-6,902	9,293	34	167	0	9,494	0	2,592
	739.37	1,580,445	-1,521	5,572	34	167	0	5,773	0	4,252
	738.12	1,569,292	-11,153	14,017	34	177	0	14,228	0	3,075
	737.41	1,562,982	-6,310	7,417	34	199	0	7,650	0	1,340
	737.80	1,566,446	3,464	0	34	238	0	272	0	3,736
	737.13	1,560,499	-5,947	9,589	34	245	0	9,868	979	2,942
	736.16	1,551,916	-8,583	8,992	34	267	0	9,293	0	710
	735.70	1,547,858	-4,058	6,767	34	233	0	7,034	2,046	930
	734.97	1,541,432	-6,426	7,022	34	204	0	7,260	0	834
	734.74	1,539,411	-2,021	3,111	34	158	0	3,303	0	1,282
<b>Total</b>		<b>-191,533</b>		<b>271,817</b>	<b>1,050</b>	<b>7,305</b>	<b>0</b>	<b>280,172</b>	<b>7,232</b>	<b>81,407</b>

1/ Includes bypass flows

2/ Evaporation will be zero for days when there is precipitation or heavy overcast.

3/ Does not include pumpback.

**Table 5. Thermalito Forebay  
Including Diversion Pool and Power Canal**

Daily Operation

(in acre-feet except as noted)

**August 2001**

Capacity: 25,120 ac-ft

Date	Storage 1/	Storage Change	Inflow			Outflow					Losses (-) And Gains (+)
			Lake Oroville Releases 2/	Kelly Ridge Generation	Thermalito Pumping- Generating Plant Pumpback	Thermalito Pumping- Generating Plant Generation 3/	Butte County	Thermalito Irrigation District	Releases To River 4/	Hyatt Powerplant Pumpback	
Jul 31	24,460										
1	23,674	-786	13,616	506	0	13,449	0	12	1,281	0	-166
2	23,685	11	12,811	510	1,502	11,936	0	12	1,288	1,633	57
3	23,846	161	12,099	483	0	11,135	0	12	1,281	0	7
4	24,705	859	2,732	445	0	1,170	0	12	1,284	0	148
5	23,666	-1,039	2,624	506	0	2,881	0	12	1,289	16	29
6	23,406	-260	12,556	506	1,508	12,511	0	12	1,285	1,167	145
7	23,413	7	12,888	516	0	12,069	0	12	1,406	0	90
8	23,139	-274	11,694	448	0	11,064	1	12	1,478	0	139
9	23,860	721	12,712	565	0	11,110	1	12	1,473	0	40
10	23,501	-359	10,093	436	0	9,694	1	12	1,374	0	193
11	25,012	1,511	2,533	496	0	0	1	12	1,369	0	-136
12	24,100	-912	2,416	430	0	2,452	1	12	1,380	0	87
13	23,797	-303	12,813	422	0	12,345	1	12	1,370	0	190
14	23,763	-34	13,046	411	0	12,271	1	12	1,370	0	163
15	23,896	133	11,297	438	0	10,319	1	12	1,370	0	100
16	23,736	-160	11,095	454	0	10,467	1	12	1,374	0	145
17	23,809	73	12,686	500	0	11,849	1	12	1,370	0	119
18	23,837	28	6,497	506	0	5,617	1	12	1,372	0	27
19	23,554	-283	3,500	500	508	3,125	1	12	1,369	401	117
20	23,083	-471	10,751	504	1,322	10,792	1	13	1,316	990	64
21	23,672	589	9,578	504	0	8,299	1	13	1,277	0	97
22	23,713	41	9,293	504	0	8,599	1	13	1,274	0	131
23	23,605	-108	5,572	502	0	4,956	1	13	1,274	0	62
24	23,817	212	14,017	504	0	13,160	1	13	1,280	0	145
25	24,550	733	7,417	494	0	5,171	1	13	1,321	0	-672
26	23,577	-973	0	506	0	0	1	13	1,368	0	-97
27	23,909	332	9,589	508	0	6,879	1	13	1,305	979	-588
28	23,755	-154	8,992	383	0	8,489	1	13	1,263	0	237
29	23,572	-183	6,767	549	0	4,840	1	13	1,323	2,046	724
30	24,192	620	7,022	508	0	5,819	1	13	1,255	0	178
31	24,383	191	3,111	447	0	2,122	1	13	1,261	0	30
Total		-77	271,817	14,991	4,840	244,590	24	384	41,300	7,232	1,805

1/ Sum of Thermalito Forebay and Diversion Pool.

3/ Includes Bypass flows at Thermalito.

2/ Sum of releases from Lake Oroville through Hyatt plant, spill, and spillway leakage.

4/ The sum of the flows from fish barrier dam and the fish hatchery.

**Table 6. Thermalito Afterbay**

Daily Operation

(in acre-feet except as noted)

Capacity: 57,040 ac-ft

**August 2001**

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow		Outflow					Losses (-) and Gains (+)	Total Releases to River 2/
				Thermalito Pumping-Generating Plant Generation 1/	Sutter Butte Canal	Western Canal Lateral	Richvale Canal	Western Canal	Afterbay River Outlet	Thermalito Pumping-Generating Plant Pumpback		
Jul 31	129.30	29,865										
1	130.64	34,312	4,447	13,449	2,876	29	668	1,581	3,551	0	-297	4,832
2	131.09	35,870	1,558	11,936	2,876	29	662	1,557	3,551	1,502	-201	4,839
3	131.72	38,106	2,236	11,135	2,836	29	661	1,530	3,551	0	-292	4,832
4	129.55	30,672	-7,434	1,170	2,757	29	661	1,530	3,551	0	-76	4,835
5	127.66	24,822	-5,850	2,881	2,757	29	661	1,530	3,551	0	-203	4,840
6	128.40	27,042	2,220	12,511	2,757	29	662	1,533	3,551	1,508	-251	4,836
7	129.42	30,251	3,209	12,069	2,797	32	661	1,530	3,431	0	-409	4,837
8	130.16	32,685	2,434	11,064	2,817	32	662	1,513	3,352	0	-254	4,830
9	130.89	35,173	2,488	11,110	2,817	32	635	1,484	3,352	0	-302	4,825
10	131.18	36,185	1,012	9,694	2,836	32	623	1,484	3,452	0	-255	4,826
11	128.64	27,782	-8,403	0	2,856	32	607	1,472	3,452	0	16	4,821
12	126.54	21,634	-6,148	2,452	2,836	32	601	1,432	3,452	0	-247	4,832
13	127.98	25,771	4,137	12,345	2,797	32	605	1,414	3,254	0	-106	4,624
14	129.50	30,510	4,739	12,271	2,777	32	603	1,412	2,856	0	148	4,226
15	130.08	32,418	1,908	10,319	2,777	32	603	1,448	2,658	0	-893	4,028
16	130.82	34,931	2,513	10,467	2,777	32	583	1,462	2,658	0	-442	4,032
17	132.03	39,229	4,298	11,849	2,777	32	559	1,462	2,658	0	-63	4,028
18	131.43	37,069	-2,160	5,617	2,737	30	553	1,462	2,658	0	-337	4,030
19	130.00	32,151	-4,918	3,125	2,698	30	553	1,436	2,658	508	-160	4,027
20	130.54	33,970	1,819	10,792	2,717	30	553	1,375	2,717	1,322	-259	4,033
21	130.79	34,827	857	8,299	2,717	30	520	1,281	2,757	0	-137	4,034
22	131.12	35,975	1,148	8,599	2,658	30	490	1,212	2,757	0	-304	4,031
23	130.53	33,936	-2,039	4,956	2,618	30	482	1,156	2,341	0	-368	3,615
24	132.38	40,516	6,580	13,160	2,618	30	484	1,085	1,946	0	-417	3,226
25	132.40	40,590	74	5,171	2,618	22	462	1,012	1,513	0	530	2,834
26	131.08	35,835	-4,755	0	2,539	16	393	986	1,051	0	230	2,419
27	131.67	37,926	2,091	6,879	2,539	12	365	960	1,121	0	209	2,426
28	132.58	41,260	3,334	8,489	2,519	10	367	914	1,172	0	-173	2,435
29	132.39	40,553	-707	4,840	2,479	10	345	837	1,148	0	-728	2,471
30	132.62	41,409	856	5,819	2,380	8	315	766	1,156	0	-338	2,411
31	131.95	38,938	-2,471	2,122	2,360	6	301	714	1,164	0	-48	2,425
Total		9,073		244,590	83,920	820	16,900	40,570	82,040	4,840	-6,427	123,340

1/ Includes Bypass flows at Thermalito.

2/ The sum of the flows from the fish barrier dam, fish hatchery, and afterbay river outlet.

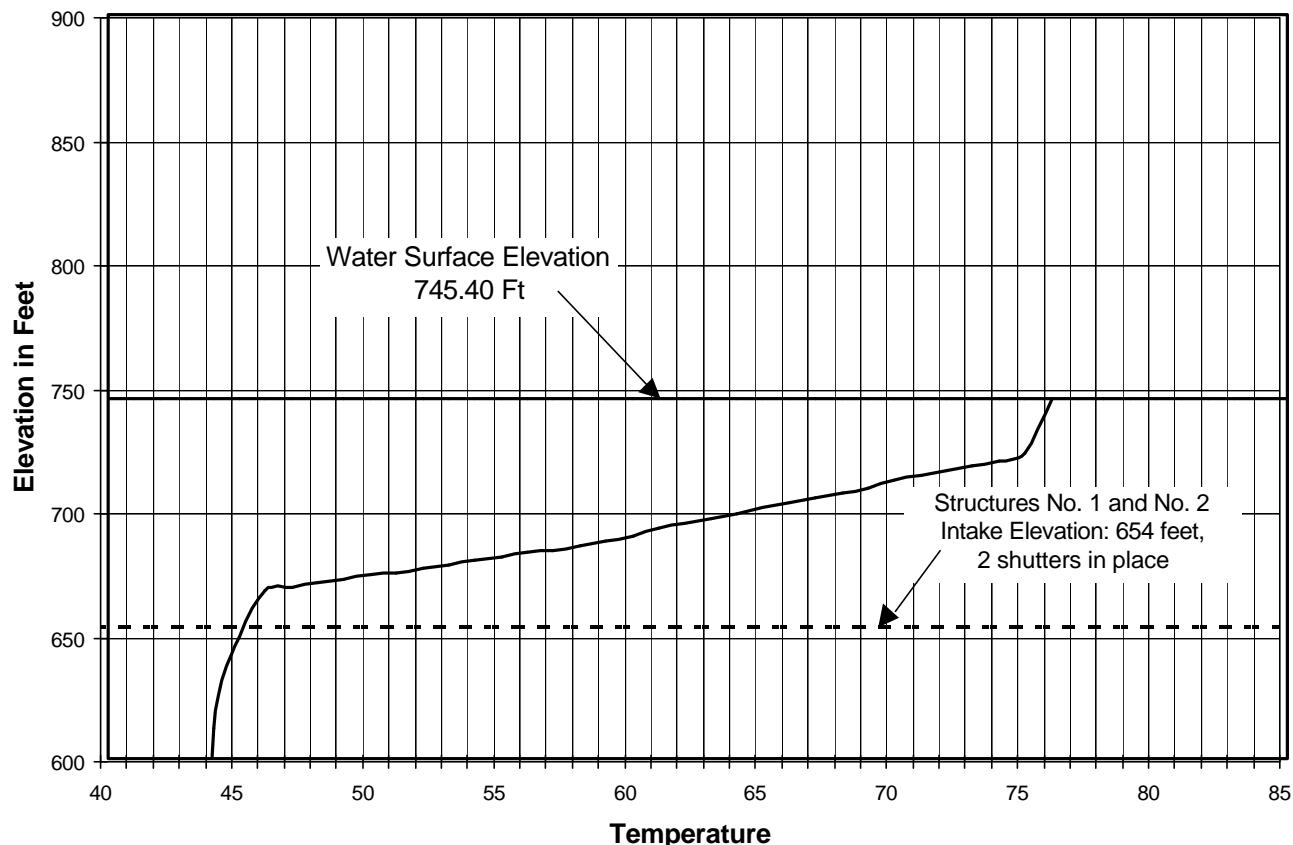
**Table 7. Oroville-Thermalito Complex**

Water Temperature Data

(in degrees Fahrenheit)

August 2001

Date	Mean Daily Temperature	
	Thermalito Afterbay Outlet	Fish Hatchery
1	68	58
2	67	59
3	65	59
4	66	59
5	69	59
6	70	59
7	70	57
8	70	58
9	68	57
10	67	58
11	68	58
12	68	59
13	68	59
14	68	59
15	68	59
16	68	56
17	67	56
18	66	57
19	67	56
20	66	57
21	66	58
22	66	58
23	66	58
24	67	58
25	66	60
26	65	59
27	66	60
28	66	55
29	66	54
30	66	53
31	67	53

**Lake Oroville Temperature Profile  
on August 15, 2001**

Note: Water surface elevations on Table 4 are taken at Oroville Dam at midnight and may differ slightly from those shown on this table which are normally taken at mid-day and upstream from Oroville Dam.

**Table 8. North Bay Aqueduct**  
Delta Field Division, Monthly Deliveries

(In acre-feet)

**August 2001**

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries					
	Beginning and Ending					Entitlement		Solano Permit			
	No.	Structure	Mile			M & I	Benicia	Vallejo	Solano		
1	1	Barker Slough Pumping Plant	0.17	(Into the North Bay Aqueduct)	5,466	372	1,031	410			
		Travis Surge Tank	8.78								
			8.80	Solano County Water Agency Travis Turnout	410						
			10.54	Solano County Water Agency Fairfield / Vacaville 24"	372						
				Solano County Water Agency Fairfield / Vacaville 42"	1,031						
			17.00	Solano County Water Agency Central Solano	Stub						
		Cordelia Forebay	21.23								
3A	2	Cordelia Pumping Plant & Cordelia Spillway	21.30		3,233	1,357	1,283	23	350		
		Napa Pipeline	21.33	Solano County Water Agency Vallejo	1,357						
				Solano County Water Agency Benicia	1,283						
		Cordelia Surge Tank	23.33								
		Creston Surge Tank Connection	25.65								
			26.95	Napa County Flood Control & WCD American Canyon 2	23						
				Napa County Flood Control & WCD American Canyon 3	0						
		Napa Terminal Tank	27.58	City of Napa	350						
			27.60	Napa County Flood Control & WCD American Canyon 1	220						

**Table 9. Delta Field Division Plant Data**

(in acre-feet)

**August 2001**

Date	North Bay Aqueduct		California Aqueduct		South Bay Aqueduct			
	Barker Slough Pumping Plant	Cordelia Pumping Plant	Banks Pumping Plant		South Bay Pumping Plant	Del Valle Pumping Plant		Gravity Flow Through Plant Into Aqueduct
			Total	SWP		Into Lake	Into Aqueduct	
1	190	114	10,109	6,910	564	134	0	0
2	195	109	9,100	5,901	537	129	0	0
3	166	100	9,079	5,880	536	126	0	0
4	171	97	9,621	6,422	516	97	0	0
5	165	93	9,534	6,335	516	81	0	0
6	168	104	7,899	4,700	462	37	0	11
7	171	100	8,036	4,837	466	0	0	31
8	177	107	7,998	4,799	435	0	0	20
9	202	110	6,760	3,561	450	0	0	19
10	178	110	5,923	2,724	509	38	0	6
11	197	114	6,562	3,363	549	82	0	0
12	183	104	6,180	2,981	546	83	0	0
13	163	101	6,697	3,498	521	36	0	0
14	158	93	8,666	5,467	516	23	0	0
15	179	113	8,826	5,627	523	16	0	0
16	199	110	8,725	5,526	564	55	0	0
17	173	108	9,276	5,037	574	41	0	0
18	181	107	10,329	5,652	486	0	0	0
19	180	100	10,260	5,583	486	0	0	0
20	153	95	7,134	3,504	510	0	0	0
21	155	87	8,319	5,120	516	0	0	0
22	143	85	8,077	4,878	567	75	0	0
23	174	88	7,666	4,467	540	63	0	0
24	165	98	8,415	5,216	447	0	0	0
25	179	108	8,782	6,550	450	0	0	0
26	182	109	7,290	5,287	439	0	0	0
27	168	105	6,791	4,788	456	0	0	0
28	173	107	5,950	3,947	467	0	0	0
29	180	111	6,599	4,596	454	0	0	0
30	208	120	7,963	5,960	448	0	0	0
31	190	126	5,973	3,970	448	0	0	0
Total	5,466	3,233	248,539	153,086	15,498	1,116	0	87

**Table 10. Clifton Court Forebay**

Daily Operation of Gates

**August 2001**

Date	Time								Amount of inflow in Acre-Feet
	Opened	Closed	Opened	Closed	Opened	Closed	Opened	Closed	
1	0:01	2:47	5:18	11:24	15:30	- - -			10,557
2	- - -	0:37	6:04	12:24	15:43	22:25			8,846
3	0:15	1:20	6:50	12:50	16:25	22:20			9,065
4	0:01	2:01	7:21	12:56	16:42	- - -			9,500
5	- - -	2:39	8:06	14:00	17:15	- - -			9,498
6	- - -	3:15	8:40	12:58	18:30	21:00			7,838
7	1:00	2:48	9:30	15:00	22:48	- - -			6,799
8	- - -	10:09							7,494
9	0:01	5:21	7:21	9:57					6,934
10	0:01	6:16	8:16	9:40					5,969
11	1:00	6:15	9:15	12:21					6,135
12	1:14	7:21	10:50	14:20					6,033
13	1:50	8:23	12:30	16:50					6,877
14	2:42	9:22	14:05	17:30					8,845
15	3:38	10:18	13:18	18:00					9,295
16	1:10	1:59	4:37	11:09	15:33	17:21			7,919
17	0:01	2:55	5:35	11:58	17:00	20:20			9,857
18	0:01	3:45	6:22	12:10	15:44	17:40			10,636
19	0:15	4:35	7:16	13:27	16:27	18:00			10,704
20	0:01	2:27	8:08	13:20	17:10	21:30			9,504
21	0:01	3:21	9:00	13:35	22:50	- - -			7,003
22	- - -	4:15	6:15	13:26	22:53	- - -			8,315
23	- - -	4:30	5:50	14:00					7,910
24	0:01	5:00	8:40	15:50	19:30	21:15			9,493
25	0:23	4:30	9:35	16:20	19:35	22:00			8,707
26	1:15	5:04	11:06	15:40					7,325
27	2:40	7:50	12:30	17:20					6,914
28	0:01	0:39	3:30	9:00	13:30	17:30			6,937
29	0:19	1:46	4:16	7:40	14:30	20:34			6,936
30	1:12	2:40	5:00	10:11	15:08	18:30			6,894
31	0:01	3:26	5:47	10:51	16:03	17:56			5,949
Total inflow for the month in AF:									250,688

**Table 11. Governor Edmund G. Brown California Aqueduct**  
 Delta Field Division, Monthly Deliveries

(In acre-feet)

**August 2001**

Reach No.	Operating Pool		Turnout	Total Diversions	Deliveries					
	Beginning and Ending				Entitlement	USBR	Local	Loan Water	Carryover Ent.	
	No.	Structure	Mile							
1	Banks Pumping Plant	3.32		248,539						
2A	1	South Bay Pumping Plant	4.49	Bethany Reservoir inlet	15,498	68	68	68	68	
		Check No. 1	5.95							
	2	Check No. 2	12.01							
	3		12.47	Musco Olive	68					
		Check No. 3	18.29							
	4		22.16	Tracy Golf & Country Club	0					
		Check No. 4	23.99							
	5	Check No. 5	29.73							
	6	Check No. 6	34.24							
	7		35.22	Turlock Fruit Company Inflow	0					
		Check No. 7	39.91							
2B	8		42.46	Oak Flat Water District-A	50	50	50	50	50	
			42.9	Western Hills WD	134		134	134	134	
			43.81	Oak Flat Water District-B	143			143	143	
			44.64	Oak Flat Water District-C	54				54	
		Check No. 8	45.97							
	9		46.18	Oak Flat Water District-D	149	149	149	149	149	
				Oak Flat Totals:	396					
		Check No. 9	51.3							
	10	Check No. 10	56.86							
	11	Check No. 11	61.4							
	12		66.14	Veteran's Cemetery	9	9	9	9	9	
		Check No. 12	66.71		219,162					

**Table 12. South Bay Aqueduct**  
Delta Field Division, Monthly Deliveries

August 2001

(In acre-feet)

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries							
	Beginning and Ending					Entitlement	Purchase Pool A	Purchase Pool B	State Water Bank Recovery	Local	Recreation		
	No.	Structure	Mile										
1	1	South Bay Pumping Plant	0.00	(into South Bay Aqueduct)	15,498	3	15	108	507				
			3.17	Granite - Vasco Rd. (Temp.)	0								
			3.18	Oakland Scavenger Zone 7	3								
		Check No. 1	3.91										
	2	Check No. 2	5.21										
2	3		7.21	Zone 7 Altamont	15	523	81	1,138					
		Check No. 3	9.49	Zone 7 Patterson Stored Exchange	0								
				Zone 7 Patterson Project Water									
4	4	Check No. 4	10.68			20	368	30	61				
	5	Check No. 5	12.29										
	6		13.55	Zone 7 Wente #1	368								
			14.16	Zone 7 Wente #2	81								
			14.31	Ising Project Water	20								
		Check No. 6	14.65										
	7		14.78	Zone 7 Arroyo Mocho	0								
			16.38										
			16.57	Zone 7 Wente #3	30								
5	8	Del Valle Branch Pipeline Junction	16.69	Zone 7 Norman Nursery	15	803	15	2,000	56				
			16.70	Zone 7 Concannon Project Water	61								
			18.63	(Pumped into Lake Del Valle)	1,116								
				(Flow into South Bay Aqueduct)	87								
			Deliveries through Del Valle Branch Pipeline	Arroyo Valle #1 & #2 Project Water	803								
				Arroyo Valle #1 & #2 Stored Exchange	0								
				Lake Del Valle Recreation	56								
				Zone 7 Wente #5	301								
				So. Livermore Project	2,369								
6			19.20	So. Livermore Inflow Released	88	172	369	88					
				So. Livermore Inflow Exchanged	187								
				Zone 7 - Kalthrof Detjens	172								
7		La Costa Tunnel	22.50	ACWD Vallecitos - Storage Exchange	880	2,664	107						
			25.97	City of San Francisco San Antonio	0								
8		Mission Tunnel	28.97	ACWD - Bayside 1 & 2 Project Water: Inflow Released	2,771	5,154							
				Stored Exchange:	0								
9		Santa Clara Pipeline	35.86	S.C.V.W.D. Meter	5,154								

Table 13. Lake Del Valle

Daily Operation

Capacity: 77,106 ac-ft

August 2001

Date	Water Surface Elevation (feet)	Storage	Storage Change	Inflow		Outflow					Precipitation (inches)
				Natural 1/	From South Bay Aqueduct	Arroyo Valle	South Bay Aqueduct	Recreation Deliveries 2/	Evaporation	Total Outflow	
Jul 31	700.46	38,143									
1	700.65	38,274	131	13	134	0	0	1	15	16	0.00
2	700.79	38,370	96	-17	129	0	0	1	15	16	0.00
3	700.95	38,481	111	-3	126	0	0	1	11	12	0.00
4	701.07	38,564	83	-3	97	0	0	1	10	11	0.00
5	701.17	38,633	69	5	81	0	0	1	16	17	0.00
6	701.19	38,647	14	7	37	0	11	1	18	30	0.00
7	701.13	38,605	-42	9	0	0	31	2	18	51	0.00
8	701.08	38,571	-34	5	0	0	20	2	17	39	0.00
9	701.04	38,543	-28	6	0	0	19	2	13	34	0.00
10	701.59	38,925	382	365	38	0	6	2	13	21	0.00
11	701.72	39,015	90	23	82	0	0	2	13	15	0.00
12	701.70	39,001	-14	-82	83	0	0	2	13	15	0.00
13	701.72	39,015	14	-10	36	0	0	2	10	12	0.00
14	701.73	39,022	7	2	23	0	0	2	16	18	0.00
15	701.73	39,022	0	0	16	0	0	2	14	16	0.00
16	701.77	39,050	28	-7	55	0	0	2	18	20	0.00
17	701.81	39,078	28	6	41	0	0	2	17	19	0.00
18	701.79	39,064	-14	5	0	0	0	2	17	19	0.00
19	701.77	39,050	-14	4	0	0	0	2	16	18	0.00
20	701.76	39,043	-7	13	0	0	0	2	18	20	0.00
21	701.73	39,022	-21	-15	0	0	0	2	4	6	0.00
22	701.80	39,071	49	-13	75	0	0	2	11	13	0.00
23	701.87	39,120	49	2	63	0	0	2	14	16	0.00
24	701.84	39,099	-21	-8	0	0	0	2	11	13	0.00
25	701.81	39,078	-21	-7	0	0	0	2	12	14	0.00
26	701.79	39,064	-14	12	0	0	0	2	24	26	0.00
27	701.76	39,043	-21	-1	0	0	0	2	18	20	0.00
28	701.75	39,036	-7	13	0	0	0	2	18	20	0.00
29	701.73	39,022	-14	-1	0	0	0	2	11	13	0.00
30	701.69	38,994	-28	-12	0	0	0	2	14	16	0.00
31	701.68	38,987	-7	-5	0	0	0	2	0	2	0.00
Total				844	306	1,116	0	87	56	435	578

1/ Total inflow from stream gaging station above Lang Canyon and accretions/depletions.

2/ To East Bay Regional Park District.

NR=No Records

**Table 14. Consolidated State-Federal O'Neill Forebay**

Daily Operations

August 2001

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

State of California

The Resources Agency

Department of Water Resources

State Water Project

Date	Water Surface Elevation (in feet)	Storage (ac-ft)	Storage Change	Inflow (cfs)				Outflow (cfs)				Computed Losses (-) Gains (+) (cfs)	
				Pump In 1/	O'Neill Pumping Generating Plant (Pumped)	Gianelli Pumping Generating Plant (Generation)	California Aqueduct	O'Neill Pumping Generating Plant (Generated)	Gianelli Pumping Generating Plant (Pumped)	Dos Amigos Pumping Plant 2/	Deliveries 3/		
Jul 31	219.48	41,810											
1	219.63	42,196	386	0	460	2,420	4,794	0	936	6,482	35	-26	
2	219.97	43,074	878	0	454	2,916	3,910	114	1,620	5,637	38	572	
3	219.89	42,867	-207	0	419	1,887	3,996	68	0	6,546	38	246	
4	222.08	48,597	5,730	0	473	4,102	4,201	0	0	5,827	23	-37	
5	220.90	45,498	-3,099	0	678	435	4,082	0	0	6,992	31	266	
6	221.97	48,308	2,810	0	737	1,667	3,524	0	0	4,400	32	-79	
7	222.37	49,368	1,060	0	692	577	4,063	0	0	5,017	29	248	
8	221.85	47,992	-1,376	0	643	577	3,202	0	0	5,227	30	141	
9	219.76	42,531	-5,461	0	479	652	2,977	0	1,685	5,313	27	164	
10	219.87	42,815	284	0	371	3,045	2,972	0	0	6,397	28	180	
11	219.34	41,451	-1,364	0	474	2,028	3,027	0	0	6,257	26	66	
12	219.61	42,145	694	0	670	4,189	2,577	0	0	7,081	21	16	
13	220.48	44,400	2,255	0	713	3,012	2,698	0	0	5,453	20	187	
14	221.64	47,441	3,041	0	750	3,292	3,622	0	0	6,150	22	41	
15	222.63	50,060	2,619	0	711	2,351	3,976	0	192	5,609	23	106	
16	221.29	46,521	-3,539	0	477	498	3,870	0	1,342	5,590	28	331	
17	220.83	45,315	-1,206	0	185	1,140	4,053	159	0	5,895	31	99	
18	222.16	48,810	3,495	0	33	2,757	4,771	78	0	5,854	29	162	
19	220.80	45,237	-3,573	0	97	0	4,639	0	402	6,263	25	153	
20	220.11	43,437	-1,800	0	603	999	3,150	0	1,504	4,297	25	167	
21	220.94	45,603	2,166	0	923	1,703	3,884	0	0	5,389	28	-1	
22	221.18	46,233	630	0	933	994	3,677	0	1,185	4,212	29	140	
23	222.04	48,491	2,258	0	952	1,912	3,417	0	389	4,632	33	-89	
24	221.17	46,206	-2,285	0	1,220	0	3,808	0	2,348	3,963	34	165	
25	221.34	46,653	447	0	1,427	0	3,931	0	1,150	4,164	25	206	
26	222.02	48,438	1,785	0	1,838	0	3,049	0	0	4,050	21	84	
27	221.22	46,337	-2,101	0	1,848	0	3,165	0	3,103	2,951	26	8	
28	220.04	43,256	-3,081	0	1,653	0	2,791	0	1,825	4,267	23	118	
29	220.29	43,905	649	0	1,536	1,072	3,001	0	1,566	4,001	24	309	
30	219.44	41,708	-2,197	0	1,547	0	3,109	0	1,635	4,366	32	269	
31	220.29	43,905	2,197	0	1,720	2,503	2,559	0	1,635	4,041	32	34	
Total				2,095	0	25,716	46,728	110,495	419	22,517	162,323	868	4,244
Mean cfs				---	0	830	1,507	3,564	14	726	5,236	28	137
Acre-feet				2,095	0	51,007	92,684	219,162	831	44,661	321,968	1,722	8,424

1/ Pump-in located at Mile 79.67R.

2/ CVC Transfer incorporated in D.A. pumping, total CVC Transfer = 10,747 AF and CVC wheeling @ Check 21 = 21,607 AF.

3/ Includes 25 AF delivered to DFG at O'Neill Forebay.

**Table 15. Consolidated State-Federal San Luis Reservoir**

Daily Operations

August 2001

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

State of California

The Resources Agency

Department of Water Resources

State Water Project

Capacity: 2,027,835 ac-ft

Date	Water Surface Elev. (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)		Outflow (cfs)			Computed Losses (-) Gains (+) (cfs)
				Gianelli Pumping Generating Plant (Pumped)	Gianelli Pumping Generating Plant (Generation)	Pacheco Tunnel 1/	Parks and Rec. Del.		
Jul 31	435.25	829,778							
1	434.72	824,801	-4,977	936	2,420	296	0	-729	
2	434.45	822,270	-2,531	1,620	2,916	306	0	326	
3	433.99	817,963	-4,307	0	1,887	284	0	0	
4	433.07	809,373	-8,590	0	4,102	273	0	44	
5	432.92	807,976	-1,397	0	435	263	0	-6	
6	432.57	804,718	-3,258	0	1,667	281	0	305	
7	432.37	802,858	-1,860	0	577	324	0	-37	
8	432.17	801,000	-1,858	0	577	306	0	-54	
9	432.31	802,301	1,301	1,685	652	307	0	-70	
10	431.57	795,434	-6,867	0	3,045	302	0	-115	
11	431.08	790,899	-4,535	0	2,028	299	0	41	
12	430.13	782,131	-8,768	0	4,189	270	0	39	
13	429.41	775,508	-6,623	0	3,012	291	0	-36	
14	428.64	768,447	-7,061	0	3,292	286	0	18	
15	428.05	763,051	-5,396	192	2,351	287	0	-274	
16	428.22	764,605	1,554	1,342	498	288	0	227	
17	427.91	761,773	-2,832	0	1,140	292	0	4	
18	427.22	755,483	-6,290	0	2,757	293	0	-121	
19	427.17	755,028	-455	402	0	258	0	-373	
20	427.25	755,756	728	1,504	999	275	0	137	
21	426.79	751,572	-4,184	0	1,703	275	0	-131	
22	426.75	751,208	-364	1,185	994	254	0	-121	
23	426.32	747,305	-3,903	389	1,912	253	0	-192	
24	426.71	750,845	3,540	2,348	0	277	0	-286	
25	426.95	753,026	2,181	1,150	0	277	0	227	
26	426.90	752,572	-454	0	0	250	0	21	
27	427.43	757,395	4,823	3,103	0	267	0	-404	
28	427.72	760,039	2,644	1,825	0	277	0	-215	
29	427.69	759,765	-274	1,566	1,072	264	0	-368	
30	427.97	762,321	2,556	1,635	0	247	0	-99	
31	427.72	760,039	-2,282	1,635	2,503	206	0	-76	
Total			-69,739	22,517	46,728	8,628	0	-2,318	
Mean cfs			- - -	726	1,507	278	0	-75	
Acre-feet			-69,739	44,661	92,684	17,114	0	-4,602	

1/ Pacheco Tunnel, San Felipe Split; Santa Clara: 14,160AF, San Benito: 2,954 AF.

**Table 16. San Luis Field Division Plant Data**

(in acre-feet)

**August 2001**

Date	Dos Amigos Pumping Plant		Gianelli Pumping - Generating Plant				San Felipe Project
	Total Pumping	SWP Pumping 1/ 2/	Total Generation	SWP Generation 1/ 2/	Total Pumping	SWP Pumping 1/ 2/	Federal
1	12,858	8,080	4,800	3,622	1,857	1,857	587
2	11,181	5,416	5,784	4,945	3,213	3,213	606
3	12,983	7,166	3,742	3,742	0	0	564
4	11,557	5,821	8,137	4,879	0	0	541
5	13,868	8,240	863	863	0	0	521
6	8,728	2,970	3,307	1,659	0	0	558
7	9,952	4,166	1,144	84	0	0	643
8	10,368	4,569	1,144	-68	0	0	606
9	10,539	4,751	1,294	-76	3,342	3,342	609
10	12,689	6,964	6,040	3,155	0	0	600
11	12,411	6,689	4,023	2,169	0	0	593
12	14,046	9,675	8,308	7,509	0	0	536
13	10,816	6,346	5,974	4,773	0	0	577
14	12,199	7,741	6,529	5,315	0	0	567
15	11,125	6,606	4,664	4,664	380	380	570
16	11,087	6,606	988	988	2,661	1,239	572
17	11,693	5,528	2,261	2,261	0	0	580
18	11,611	4,995	5,468	215	0	0	582
19	12,423	5,791	0	0	797	797	512
20	8,524	2,997	1,982	1,982	2,984	2,984	545
21	10,690	5,577	3,377	3,377	0	0	545
22	8,355	3,271	1,972	1,972	2,350	2,350	503
23	9,187	4,175	3,793	3,793	772	772	501
24	7,861	2,764	0	0	4,658	4,658	549
25	8,259	2,394	0	0	2,281	2,281	549
26	8,033	2,099	0	0	0	0	496
27	5,853	711	0	0	6,154	6,154	530
28	8,463	3,253	0	0	3,620	3,620	550
29	7,935	2,681	2,126	2,126	3,106	3,106	524
30	8,659	6,203	0	0	3,243	35	489
31	8,015	5,621	4,964	4,964	3,243	33	409
Total	321,968	159,866	92,684	68,913	44,661	36,821	17,114

1/ Negative values may appear in SWP columns and indicate a mismatch of scheduled CVP energy and actual pumping; adjustments to SWP water shares are made to balance the mismatch.

2/ Provisional, subject to change.

**Table 17. Consolidated State-Federal Los Banos Reservoir**

Daily Operations

August 2001

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

Capacity: 34,560 ac-ft

State of California

The Resources Agency

Department of Water Resources

State Water Project

Date	Water Surface Elev. (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Estimated Inflow (cfs)	Estimated Outflow (cfs)		Computed Losses (-) Gains (+) (ac-ft)
					Spill	Outlet	
Jul 31	325.12	19,338					
1	325.09	19,325	-13	0	0	0	-13
2	325.07	19,315	-10	0	0	0	-10
3	325.04	19,302	-13	0	0	0	-13
4	325.02	19,293	-9	0	0	0	-9
5	325.00	19,284	-9	0	0	0	-9
6	324.98	19,275	-9	0	0	0	-9
7	324.98	19,275	0	0	0	0	0
8	324.94	19,257	-18	0	0	0	-18
9	324.90	19,238	-19	0	0	0	-19
10	324.88	19,229	-9	0	0	0	-9
11	324.86	19,220	-9	0	0	0	-9
12	324.83	19,207	-13	0	0	0	-13
13	324.80	19,193	-14	0	0	0	-14
14	324.79	19,189	-4	0	0	0	-4
15	324.76	19,175	-14	0	0	0	-14
16	324.75	19,171	-4	0	0	0	-4
17	324.72	19,157	-14	0	0	0	-14
18	324.70	19,148	-9	0	0	0	-9
19	324.67	19,134	-14	0	0	0	-14
20	324.63	19,116	-18	0	0	0	-18
21	324.58	19,094	-22	0	0	0	-22
22	324.55	19,080	-14	0	0	0	-14
23	324.54	19,076	-4	0	0	0	-4
24	324.52	19,067	-9	0	0	0	-9
25	324.51	19,062	-5	0	0	0	-5
26	324.48	19,049	-13	0	0	0	-13
27	324.47	19,044	-5	0	0	0	-5
28	324.45	19,035	-9	0	0	0	-9
29	324.41	19,017	-18	0	0	0	-18
30	324.37	18,999	-18	0	0	0	-18
31	324.35	18,990	-9	0	0	0	-9
Total			-348	0	0	0	-348
Mean cfs			---	0	0	0	---
Acre-feet			-348	0	0	0	-348

**Table 18. Consolidated State-Federal Little Panoche Reservoir**

Daily Operations

August 2001

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

State of California

The Resources Agency

Department of Water Resources

State Water Project

Date	Water Surface Elev. (in feet)	Storage (ac-ft) 1/	Storage Change (ac-ft) 1/	Estimated Inflow (cfs)	Estimated Outflow (cfs)		Computed Losses (-) Gains (+) (ac-ft) 1/
					Spill	Outlet	
Jul 31	601.10	741			0	0	
1	Not Observed				0	0	
2	Not Observed				0	0	
3	Not Observed				0	0	
4	Not Observed				0	0	
5	Not Observed				0	0	
6	Not Observed				0	0	
7	Not Observed				0	0	
8	Not Observed				0	0	
9	Not Observed				0	0	
10	601.00	736	-5	0	0	0	
11	Not Observed				0	0	
12	Not Observed				0	0	
13	Not Observed				0	0	
14	Not Observed				0	0	
15	Not Observed				0	0	
16	Not Observed				0	0	
17	601.00	736	0	0	0	0	
18	Not Observed				0	0	
19	Not Observed				0	0	
20	Not Observed				0	0	
21	Not Observed				0	0	
22	Not Observed				0	0	
23	Not Observed				0	0	
24	Not Observed				0	0	
25	Not Observed				0	0	
26	Not Observed				0	0	
27	Not Observed				0	0	
28	Not Observed				0	0	
29	Not Observed				0	0	
30	Not Observed				0	0	
31	600.95	733	-3	0	0	0	
Total			-8	0	0	0	---
Mean cfs			---	0	0	0	---
Acre-feet			-8	0	0	0	-8

1/ Not available on a daily basis

**Table 19a. Governor Edmund G. Brown California Aqueduct**  
San Luis Field Division, Monthly Deliveries

(In acre-feet)

**August 2001**

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries					
		Beginning and Ending				USBR	Transfer /1	DWR Recreation	USBR Recreation		
	No.	Structure	Mile								
2B	12	Check No. 12	66.71		219,162						
3	13	O'Neill Forebay and San Luis Reservoir Outlet Check No. 13	70.85	Department of Parks and Recreation	0			0	0		
				Department of Fish & Game	25			14	11		
			70.91	San Luis Water District	1,697	1,697					
			Thru	(Floodwater Inflow)	0						
			85.08	Reach 3 Subtotal:	1,722		1,697	0	14		
		Dos Amigos Pumping Plant	86.73		321,968				11		
			89.03			6,678					
			Thru	San Luis Water District	6,678						
			94.06								
			89.66								
			Thru	Pacheco Water District	1,541						
			89.67								
4	14		89.68	Panoche Water District	5	1,541					
			89.70	City of Dos Palos	160						
			Check No. 14	95.06							
			98.15								
			Thru	San Luis Water District	628						
			104.20			6,976					
			96.15								
			Thru	Panoche Water District	6,976						
			102.64	(Floodwater Inflow)	0						
			102.64	Broadview Water District	4						
			105.22			4					
			Thru	Westlands Water District	12,549						
			108.64								
			Check No.15	108.50							
				Pacheco Water District Total:	1,541	1,541	0	0	0		
				Broadview Water District Total:	4	4	0	0	0		
				City of Dos Palos Total:	160	160	0	0	0		
				SLWD Reach 4 Subtotal:	7,306	7,306	0	0	0		
				Panoche Water District Total:	6,981	6,981	0	0	0		
				SLWD Total:	9,003	9,003	0	0	0		
				Westlands WD Reach 4 Subtotal:	12,549	0	12,549	0	0		

1/ Water transferred to Westlands. 1,335 AF from Lower Tule River ID, 1,969 AF from Pixley ID, and 9,245 AF from Sacramento Valley Contractors.

**Table 19b. Governor Edmund G. Brown California Aqueduct**  
San Luis Field Division, Monthly Deliveries (Continued)

(In acre-feet)

**August 2001**

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries							
		Beginning and Ending				USBR	Transfer 1/	DWR Recreation	USBR Recreation				
	No.	Structure	Mile										
5	16		110.52	(Reverse flow, Kings River)	0	12,208	4,378	1					
			Thru	Westlands Water District	16,586								
			122.05	Department of Fish and Game	1								
		Check No. 16	122.07										
	17		124.18	Westlands Water District	12,077	7,637	4,440						
			Thru										
		Check No. 17	132.74										
	18		133.81	Westlands Water District	13,520	2,695	10,825						
			Thru										
			142.61										
		Pleasant Valley Pumping Plant	143.16	Westlands Water District	11,173	1,173	10,000						
			143.16	City of Coalinga	541								
		Check No. 18	143.23										
				Westlands WD Reach 5 Subtotal:	53,356	23,713	29,643	0	0				
6	19		145.26	Westlands Water District	20,808	20,808							
			Thru										
			151.19										
		Check No. 19	155.64										
				Westlands WD Reach 6 Subtotal:	20,808	20,808	0	0	0				
7	20		156.34	City of Huron	116	116							
			156.40	Westlands Water District	9,753								
			Thru										
			163.69										
		Check No. 20	164.69										
	21		164.79	City of Avenal	339	339							
			167.04	Westlands Water District	4,033								
			Thru										
			171.67										
		Check No. 21	172.40		208,526								
				Reach 7 Total:	14,241	14,241	0	0	0				
				Westlands WD Total:	100,499	58,307	42,192	0	0				
				City of Coalinga Total:	541	541	0	0	0				
				City of Huron Total:	116	116	0	0	0				
				City of Avenal Total:	339	339	0	0	0				
				Phase I Water Total:	0	0	0	0	0				
Total San Luis Field Division Deliveries:					119,210	76,992	42,192	15	11				

1/ Water transferred to Westlands. 1,375 AF from Tulare Lake Basin WSD, 3,003 AF from Lower Tule River ID, 4,440 AF from Pixley ID, and 20,825 AF from Sacramento Valley Contractors.

**Table 20. Consolidated State-Federal San Luis Canal 1/**

Daily Operations

August 2001

United States  
Department of the Interior  
Bureau of Reclamation  
Central Valley Project

State of California  
The Resources Agency  
Department of Water Resources  
State Water Project

Date	Storage In Canal (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)		Outflow (cfs)				Computed Losses (-) Gains (+) (cfs)
			Non- Project 2/	Dos Amigos Pumping Plant	Pools 14 & 15 3/	Pool 15	Pools 15 thru 21 4/	Flow Past Check 21	
Jul 31	29,216								
1	29,874	658	0	6,482	224	197	2,102	3,611	-16
2	28,438	-1,436	0	5,637	204	168	2,021	4,114	146
3	28,908	470	0	6,546	213	168	2,006	3,829	-93
4	29,403	495	0	5,827	144	157	2,035	3,339	97
5	29,277	-126	0	6,992	204	133	2,037	5,225	543
6	28,802	-475	0	4,400	189	133	2,073	2,616	372
7	29,211	409	0	5,017	201	158	2,009	2,515	72
8	29,163	-48	0	5,227	252	186	1,981	2,782	-50
9	28,549	-614	0	5,313	188	194	2,025	3,170	-46
10	28,867	318	0	6,397	189	198	2,061	3,728	-61
11	28,829	-38	0	6,257	130	146	2,178	3,861	39
12	28,603	-226	0	7,081	136	162	2,012	5,097	212
13	29,111	508	0	5,453	165	166	1,832	3,036	2
14	29,869	758	0	6,150	175	153	1,788	3,645	-7
15	29,415	-454	0	5,609	177	154	1,790	3,771	54
16	29,264	-151	0	5,590	217	153	1,761	3,492	-43
17	28,863	-401	0	5,895	168	139	1,657	3,981	-152
18	28,758	-105	0	5,854	118	101	1,643	3,896	-149
19	29,503	745	0	6,263	96	106	1,950	4,106	371
20	28,730	-773	0	4,297	99	116	1,552	3,067	148
21	29,521	791	0	5,389	108	66	1,414	3,283	-119
22	28,794	-727	0	4,212	108	66	1,416	2,978	-11
23	29,205	411	0	4,632	111	55	1,353	2,937	31
24	29,273	68	0	3,963	105	55	1,356	2,483	70
25	29,505	232	0	4,164	79	28	1,161	2,731	-48
26	29,148	-357	0	4,050	85	32	1,311	3,158	356
27	28,627	-521	0	2,951	89	25	929	2,252	81
28	29,044	417	0	4,267	84	27	969	2,946	-30
29	28,457	-587	0	4,001	85	27	902	3,270	-12
30	28,883	426	0	4,366	99	25	924	3,156	53
31	29,209	326	0	4,041	99	26	924	3,056	228
Total		-7	0	162,323	4,541	3,520	51,172	105,130	2,036
Mean cfs		---	0	5,236	146	114	1,651	3,391	66
Acre-feet		-7	0	321,968	9,007	6,981	101,500	208,526	4,039

1/ San Luis Canal includes Pools 14 through 21 of the California Aqueduct.

2/ Pump In of Non-Project Water and Flood Water is included in the gain or loss.

3/ Includes 1,540 AF AG & 1 AF M&I to Pacheco W.D. and 160 AF to the City of Dos Palos.

4/ Includes 116 AF to the City of Huron, 339 AF to the City of Avenal, 574 AF to the City of Coalinga, 0 AF Phase I Water @ Lat. 13R, 1 AF to F&G @ WWD Lateral 4L, and 4 AF to Broadview W.D.

**Table 21. San Joaquin Field Division Plant Data**

(in acre-feet)

**August 2001**

Date	Coastal Aqueduct					California Aqueduct			
	Las Perillas Pumping Plant	Badger Hill Pumping Plant	Devil's Den Pumping Plant	Bluestone Pumping Plant	Polonio Pass Pumping Plant	Buena Vista Pumping Plant	Teerink Pumping Plant	Chrisman Pumping Plant	Edmonston Pumping Plant
1	470	470	98	93	96	4,839	4,590	4,360	4,295
2	458	458	88	82	87	4,435	3,888	3,578	3,419
3	469	469	97	89	95	5,123	4,489	4,163	4,064
4	516	516	88	80	86	4,434	4,376	4,083	4,077
5	442	442	78	75	79	7,060	6,813	6,630	6,446
6	437	437	94	88	93	3,006	2,728	3,046	2,482
7	476	476	94	87	95	2,785	2,406	2,280	2,247
8	426	426	92	86	90	3,195	2,748	2,541	2,430
9	394	394	87	85	85	3,166	2,708	2,530	2,431
10	469	469	96	90	88	4,624	4,089	3,900	3,870
11	541	541	94	86	92	4,575	4,210	4,010	3,819
12	436	436	92	85	91	7,012	6,699	6,558	6,446
13	391	391	90	83	90	3,756	3,685	3,532	3,341
14	398	398	87	81	86	4,733	4,301	4,045	3,972
15	368	368	90	82	88	4,637	4,299	4,176	3,971
16	376	376	108	99	106	4,553	4,097	3,850	3,760
17	368	368	88	79	84	4,835	4,489	4,343	4,193
18	480	480	141	136	135	4,493	4,239	4,009	3,867
19	447	447	116	108	116	5,703	5,735	5,652	5,447
20	334	334	82	74	83	3,713	3,562	3,345	3,191
21	296	296	82	77	81	4,539	4,188	3,978	3,870
22	385	385	85	82	86	4,394	4,279	4,055	3,972
23	384	384	91	83	88	4,280	4,025	3,803	3,698
24	384	384	93	86	93	4,103	3,899	3,662	3,406
25	475	475	94	88	92	4,128	4,084	3,922	3,771
26	397	397	93	87	97	5,276	5,342	5,281	5,318
27	389	389	72	67	73	3,546	3,377	3,197	2,936
28	448	448	76	67	78	4,505	4,473	4,297	4,227
29	457	457	92	83	89	4,489	4,372	4,192	4,021
30	468	468	103	97	104	4,676	4,435	4,273	4,184
31	398	398	116	107	112	4,436	4,266	4,067	3,945
Total	13,177	13,177	2,897	2,692	2,858	139,049	130,891	125,358	121,116

**Table 22a. Governor Edmund G. Brown California Aqueduct**  
San Joaquin Field Division, Monthly Deliveries

**August 2001**

(In acre-feet)

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries							
	Beginning and Ending					Entitlement	USBR	Purchase Pool A	Purchase Pool B	Dry Year Purchase	Other		
	No.	Structure	Mile										
7	21	Check No. 21	172.40		208,526								
8C	22		172.66	Empire West Side Irrig. Dist. TL - A	0	300 64 453 11,333	29		364 150 638 2,728 1,360	b/ 14 c/ 500 d/ 672	e/ 3,002		
				County of Kings TL - A	300								
				TLBWS D TL-A	107								
				175.18 DRWD - 1	864								
				177.54 DRWD - 1B	150								
				180.64 TLBWS D - C	0								
				180.65 DRWD - 1A	1,091								
				182.99 DRWD - 2	3,400								
				183.00 Tulare Lake Basin WSD TL - B	12,693								
				184.63 Coastal Branch	13,177								
31A	8D		184.78	Dudley Ridge Water Dist. DRWD - 3	3,002	453 a/ 11,397	0 0	0 29	3,880 1,360	4,174 14	e/ 3,002		
				Dudley Ridge Reach 8D Total:	8,507								
9	23		184.82	Tulare Lake Basin WSD Total:	12,800								
				Kern County Water Agency Lost Hills Water Dist. - 1	6,629	529 271 446 1,513	100 200		4,500	f/ 1,500	f/ 900		
				189.69									
				191.18 Kern County Water Agency Lost Hills Water Dist. - 2	1,371								
				194.22 Kern County Water Agency Lost Hills Water Dist. - 3	446								
				196.40 Kern County Water Agency Berrenda Mesa - 2	0								
				196.75 Kern County Water Agency Lost Hills Water Dist. - 4	1,513								
10A	24		197.05	K.C.W.A. Reach 9 Subtotal:	9,959	2,759	0	100	200	4,500	2,400		
				201.24 Kern County Water Agency Lost Hills Water Dist. - 7	557								
10A	25		207.94	202.05 Kern County Water Agency Lost Hills Water Dist. - 5	1,500	557 1,500 43	100 200 322 200		4,500	f/ 1,500	f/ 900		
				204.69 Kern County Water Agency Lost Hills Water Dist. - 6	0								
				205.26 Kern County Water Agency Lost Hills Water Dist. - 8	0								
				209.71 Kern County Water Agency Belridge Water Storage Dist. - 1A	1,890								
				209.78 Kern National Wildlife Refuge USBR BV-1B	547								
				209.80 Kern County Water Agency Buena Vista WSD 1B	1,143								
				KCWA Semitropic WSD	14								
				KCWA Semitropic WSD	0								
				KCWA Semitropic WSD Penstocks	0								
				USBR Total:	547								
				K.C.W.A. Reach 10A Subtotal:	6,504								

a/ An additional 1,375 AF of entitlement exchange water to Westlands WD.

b/ Dudley Ridge WD water wheeled through Tulare Lake Basin WSD.

c/ Exchange entitlement from Lost Hills WD.

d/ Entitlement exchange from San Gabriel Valley MWD.

e/ Entitlement exchange; 628 AF from San Gabriel Valley MWD, 1,374 AF from Rosedale-Rio Bravo WSD, and 1,000 AF from Lost Hills WD.

f/ Recovery of same contractor's pump in.

g/ CVP exchange water to KCWA for KCWA ground water.

**Table 22b. Governor Edmund G. Brown California Aqueduct**  
San Joaquin Field Division, Monthly Deliveries (Continued)

(In acre-feet)

**August 2001**

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
	Beginning and Ending					Entitlement	Return of Contractor Pumpin	Purchase Pool A	Purchase Pool B	Other		
	No.	Structure	Mile									
11B	25	210.75	Kern County Water Agency Belridge - 2	0	72	150	a/ 58	a/ 10,618				
			Kern County Water Agency Belridge - 3	58								
			Kern County Water Agency Belridge - 4	0								
			Kern County Water Agency Belridge - 5	10,768								
			Kern County Water Agency Belridge - 5D	72								
		Check No. 25	217.79									
			K.C.W.A. Reach 11B Subtotal:	10,898	72	0	150	0	10,676			
12D	26	219.58	Kern County Water Agency Belridge - 6	0								
			Check No. 26	224.92								
12E	27	230.37	Kern County Water Agency Buena Vista - 6	4,636								
			Check No. 27	231.73								
	28	235.75	Kern County Water Agency Buena Vista - 2	9,308	97	11				c/ 1,737 d/ 2,863 b/ 9,200		
			Kern County WA CVC	0								
			DRWD CVC	0								
			Tulare Co.	0								
			Lower Tule River	0								
			Fresno Co.	0								
			Pixley ID	0								
			Hacienda DWR Wells	0								
	Check No. 28	238.11										
			1/ Arvin Edison Total:	0	0	0	0	0	0			
			Reach 12E Subtotal:	13,944	133	11	0	0	13,800			
13B	29	238.19	Kern Water Bank Inflow	0	59	1,699				b/ 1,900 b/ 110 b/ 434 c/ 2,802		
			Kern Water Bank Outflow	0								
		241.02	Kern River Intertie (inflow)	0								
		242.85	KCWA Buena Vista WSD - 7	3,658								
		243.09	KCWA Buena Vista WSD - 5	117								
		Check No. 29	Kern County Water Agency Buena Vista - 3	3,419								
		244.54	Buena Vista WSD	0								
	30	249.85	Kern County Water Agency Buena Vista - 4	2,153	178	5				b/ 536 e/ 1,614		
		250.99	Buena Vista Pumping Plant	139,049								
			K.C.W.A. Reach 13B Subtotal:	9,347	247	1,704	0	0	7,396			
14A	31	254.47	Kern County Water Agency West Kern - 2	0	8							
			Kern County Water Agency Wheeler Ridge-Maricopa - 2	8								

1/ Arvin Edison Contractors include Rag Gulch WD, Kern-Tulare WD, Fresno County, Hills Valley ID, Tri Valley WD, Tulare County, Lower Tule River ID, and Pixley ID.

a/ Recovery of same contractor's pumpin.

b/ CVC exchange water to KCWA for ground water via CVC to Kern Tulare WD.

c/ CVC exchange water to KCWA for ground water via CVC to Rag Gulch WD.

d/ CVC exchange water to KCWA in exchange for KCWA ground water delivered to Arvin-Edison WD or MWD on Arvin-Edison's behalf.

e/ CVP water to KCWA from Del Puerto WD via KTWD in exchange for a like amount of KCWA water returned to KTWD during 2001 via CVC.

**Table 22c. Governor Edmund G. Brown California Aqueduct**  
 San Joaquin Field Division, Monthly Deliveries (Continued)

(In acre-feet)

**August 2001**

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
	Beginning and Ending					Entitlement	Return of Contractor Pumpin	Purchase Pool A	Purchase Pool B	Other		
	No.	Structure	Mile									
14A	31	Check No. 31	256.14			211	100	225	0	0		
	32		258.61	Kern County Water Agency Wheeler Ridge-Maricopa - 3	311							
			260.44	Kern County Water Agency Wheeler Ridge-Maricopa - 4	1,270	745	300					
		Check No. 32	261.72									
				KCWA Reach 14A Subtotal:	1,589	964	400	225	0	0		
14B	33		264.42	Kern County Water Agency Wheeler Ridge-Maricopa - 5	3,245	2,370	500	375	375			
			266.91	Kern County Water Agency Wheeler Ridge-Maricopa - 6	941							
		Check No. 33	267.36									
	34		270.24	Kern County Water Agency Wheeler Ridge-Maricopa - 7	3,487	2,897	590					
		Check No. 34	271.27									
				Reach 14B Total:	7,673	5,908	1,390	0	375	0		
14C	35		272.39	Kern County Water Agency Wheeler Ridge-Maricopa - 8	2,076	1,576	500	0	0	0		
			276.09	Kern County Water Agency Wheeler Ridge-Maricopa - 9	714							
				Reach 14C Total:	2,790	2,073	717	0	0	0		
15A	36	Teerink Pumping Plant	278.13		130,891	437	3,873	0	0	0		
			279.02	Kern County Water Agency Wheeler Ridge-Maricopa - 9A	437							
			280.06	Kern County Water Agency Wheeler Ridge-Maricopa - 10	3,873							
				Reach 15-A Total:	4,310							
16A	37	Chrismen Pumping Plant	280.36		125,358	21	32	58	1,173	555		
			282.06	Kern County Water Agency Wheeler Ridge-Maricopa - 11	0							
		Check No. 37	283.95									
	38		285.01	Kern County Water Agency Wheeler Ridge-Maricopa - 12	21							
			286.39	Kern County Water Agency Wheeler Ridge-Maricopa - 13A	32							
			287.06	Kern County Water Agency Wheeler Ridge-Maricopa - 13	0							
		Check No. 38	287.09									
	39		287.62	Kern County Water Agency Wheeler Ridge-Maricopa - 13B	58							
		Check No. 39	290.21									
	40		291.26	Kern County Water Agency Wheeler Ridge-Maricopa - 14	1,173							
			293.07	Kern County Water Agency Wheeler Ridge-Maricopa - 15	555							
				Kern County Water Agency Tehachapi Cummings CWD	476							
				K.C.W.A. Reach 16A Subtotal:	2,315	2,315	0	0	0	0		
17E	Edmonston Pumping Plant	293.45			121,116							

**Table 23. Governor Edmund G. Brown California Aqueduct**

San Joaquin Field Division, Monthly Deliveries (Coastal Branch)

(In acre-feet)

August 2001

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries							
	Beginning and Ending					Entitlement	Return of Contractor Pumpin	Purchase Pool A	Purchase Pool B	Dry Year Purchase	Other		
	No.	Structure	Mile										
31A	C-1	Coastal Branch Control	0.02		13,177	1,453							
		Las Perillas Pumping Plant	1.16		13,177								
	C-2		3.79	Green Valley Water District	0								
		Badger Hill Pumping Plant	4.27		13,177								
	C-3	Coastal Check No. 3	7.21										
	C-4		9.34	Castaic Lake WA (Devil's Den WD #1)	0								
		Coastal Check No. 4	9.34										
	C-5	Coastal Check No. 5	12.20										
	C-6		13.30	Kern County Water Agency Berrenda Mesa - 3	1,553					100			
			14.83	Kern County Water Agency Berrenda Mesa - 1	8,988			100					
		Devil's Den Pumping Plant	14.86		2,897								
				K.C.W.A. Reach 31A Subtotal:	10,541		10,341	0	100	100	0		
				K.C.W.A. Total:	79,870		31,222	4,222	575	997	4,700	38,154	
33A	C-7	Bluestone Pumping Plant	19.05		2,692	2,424							
	C-8	Polonio Pass Pumping Plant	26.54		2,858								
	C-9	Tank Site 1	27.81	(CCWA) Polonio Pass Treatment Plant									
	C-10	Shandon T.O.	38.23	Santa Barbara County (CCWA)	2,424								
		Tank Site 2	58.63	Central Coast:	0								
34	C-11	Chorro Valley T.O.	69.31	San Luis Obispo County (CCWA)	454	454							
		Energy Dissipater	78.12										
		Lopez T.O.	85.86	SLOCFC & WCD	0								
35	C-12			CCWA Total:	2,878	2,878	0	0	0	0	0	0	
		Guadalupe T.O.	102.70	SBCFC & WCD	0								
		Santa Maria T.O.	107.43	SBCFC & WCD	0								
		So. Cal. Water T.O.	109.20	SBCFC & WCD	0								
38				SBCFC & WCD Total:	0	0	0	0	0	0	0	0	
		Tank Site 5	115.42										

**Table 24. Southern Field Division Plant Data**

(in acre-feet)

August 2001

Date	West Branch					East Branch									Devil Canyon Powerplant Generation	
	Oso Pumping Plant	Warne Powerplant		Castaic Powerplant		Alamo Powerplant			Pearblossom Pumping Plant	Mojave Siphon Powerplant			Generation	Leakage	Bypass Flume	
		Generation	Leakage	Generation	Pumpback	Generation	Bypass Through Plant	Cottonwood Chute		Generation	Leakage	Bypass Flume				
1	1,384	1,790	0	2,377	1,877	0	0	2,826	2,140	2,175	0	0	2,301			
2	1,445	1,909	0	3,594	3,422	0	0	1,926	1,570	1,436	0	0	2,112			
3	1,762	1,952	0	7,289	1,473	0	0	2,270	1,712	1,896	0	0	1,851			
4	1,998	2,337	0	626	3,357	0	0	2,042	1,678	1,633	0	0	1,722			
5	1,946	0	0	6,467	5,167	0	0	4,613	3,707	3,669	0	0	2,049			
6	4	72	0	5,806	5,756	0	0	2,485	2,154	2,459	0	0	2,062			
7	83	0	0	5,968	3,167	0	0	2,186	1,834	1,910	0	0	1,964			
8	83	0	0	1,576	3,289	0	0	2,307	1,807	1,715	0	0	2,183			
9	185	513	0	4,736	4,336	401	0	1,795	1,740	1,799	0	0	2,242			
10	1,557	2,281	0	7,581	4,750	1,880	0	297	1,683	1,686	0	0	1,814			
11	1,518	2,396	0	7,431	3,339	1,896	0	348	1,775	1,625	0	0	2,221			
12	1,779	0	0	719	5,278	3,540	0	1,013	3,897	3,828	0	0	1,795			
13	990	1,570	0	5,877	4,175	2,037	0	233	2,058	2,424	0	0	2,397			
14	1,919	1,987	0	3,074	4,348	1,804	0	230	2,105	2,158	0	0	1,836			
15	1,640	1,931	0	9,531	2,835	2,080	0	189	1,810	1,969	0	0	2,104			
16	1,665	1,856	0	7,441	2,565	1,925	0	123	1,701	1,802	0	0	2,258			
17	1,834	1,544	0	9,228	3,786	2,183	0	97	1,662	1,724	0	0	2,204			
18	1,601	2,054	0	465	706	2,081	0	132	1,726	1,728	0	0	2,102			
19	1,968	583	0	356	6,434	3,266	0	137	2,995	2,953	0	0	1,743			
20	956	1,855	0	5,108	6,223	1,644	0	572	1,710	2,053	0	0	1,880			
21	2,103	1,875	0	5,025	3,419	1,692	0	57	1,726	1,736	0	0	1,839			
22	1,732	1,848	0	4,032	4,409	1,959	0	211	1,819	1,686	0	0	1,919			
23	1,747	1,779	0	7,867	2,023	1,831	0	104	1,565	1,779	0	0	1,997			
24	1,332	1,799	0	7,954	2,886	2,030	0	31	1,373	1,447	0	0	2,141			
25	1,471	1,857	0	1,296	2,872	2,137	0	71	1,701	1,710	0	0	1,973			
26	1,612	0	0	1,444	4,789	3,526	0	142	3,205	2,872	0	0	1,956			
27	1,422	1,803	0	6,468	3,450	1,532	0		1,331	1,670	0	0	1,860			
28	1,927	1,935	0	6,706	3,568	2,171	0	58	1,974	1,754	0	0	2,149			
29	1,867	1,648	0	6,032	2,877	1,831	0	224	1,635	1,808	0	0	2,353			
30	1,860	1,987	0	5,576	2,700	2,184	0	160	1,747	1,750	0	0	2,152			
31	2,018	1,971	0	9,250	2,868	1,808	0	66	1,564	1,668	0	0	2,020			
Total	45,408	45,132	0	156,900	112,144	47,438	0	26,945	61,104	62,522	0	0	63,199			

**Table 25. Pyramid Lake**  
Daily Operation

Capacity: 171,200 ac-ft

(in acre-feet except as noted)

**August 2001**

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow			Outflow			Computed Losses (-) And Gains (+)
				Project		Natural	Project		Natural	
				Castaic Powerplant Pumpback	Warne Powerplant	Stream Flow	Castaic Powerplant Generation	Recreation Deliveries	To Piru Creek	
Aug 31	2570.89	160,884								
1	2571.77	161,983	1,099	1,877	1,790	17	2,377	0	52	-156
2	2573.09	163,640	1,657	3,422	1,909	17	3,594	0	52	-45
3	2569.79	159,518	-4,122	1,473	1,952	17	7,289	0	52	-223
4	2573.80	164,535	5,017	3,357	2,337	17	626	0	52	-16
5	2572.56	162,973	-1,562	5,167	0	17	6,467	0	52	-227
6	2572.31	162,659	-314	5,756	72	16	5,806	0	52	-300
7	2569.89	159,642	-3,017	3,167	0	16	5,968	0	52	-180
8	2571.28	161,370	1,728	3,289	0	15	1,576	0	52	52
9	2571.33	161,433	63	4,336	513	15	4,736	0	52	-13
10	2570.57	160,486	-947	4,750	2,281	14	7,581	0	52	-359
11	2568.95	158,479	-2,007	3,339	2,396	14	7,431	1	52	-272
12	2572.58	162,998	4,519	5,278	0	14	719	0	52	-2
13	2572.30	162,647	-351	4,175	1,570	13	5,877	0	52	-180
14	2574.81	165,815	3,168	4,348	1,987	13	3,074	0	52	-54
15	2570.77	160,735	-5,080	2,835	1,931	13	9,531	0	52	-276
16	2567.81	157,077	-3,658	2,565	1,856	13	7,441	0	52	-599
17	2564.01	152,460	-4,617	3,786	1,544	12	9,228	0	52	-679
18	2565.83	154,661	2,201	706	2,054	12	465	0	52	-54
19	2571.28	161,370	6,709	6,434	583	12	356	1	52	89
20	2573.62	164,308	2,938	6,223	1,855	13	5,108	0	52	7
21	2573.73	164,447	139	3,419	1,875	14	5,025	0	52	-92
22	2575.39	166,553	2,106	4,409	1,848	15	4,032	0	52	-82
23	2572.10	162,396	-4,157	2,023	1,779	14	7,867	0	52	-54
24	2569.37	158,998	-3,398	2,886	1,799	15	7,954	0	52	-92
25	2572.09	162,383	3,385	2,872	1,857	14	1,296	0	52	-10
26	2574.64	165,599	3,216	4,789	0	14	1,444	0	52	-91
27	2573.64	164,333	-1,266	3,450	1,803	14	6,468	0	52	-13
28	2572.60	163,023	-1,310	3,568	1,935	14	6,706	0	52	-69
29	2571.31	161,408	-1,615	2,877	1,648	14	6,032	0	52	-70
30	2570.52	160,424	-984	2,700	1,987	15	5,576	0	52	-58
31	2566.84	155,890	-4,534	2,868	1,971	16	9,250	0	53	-86
Total				-4,994	112,144	45,132	449	156,900	2	1,613
										-4,204

**Table 26. Elderberry Forebay**

Daily Operation

(in acre-feet except as noted)

Capacity: 32,746 ac-ft

**August 2001**

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow		Outflow			Computed Losses (-) And Gains (+)	
				Castaic Powerplant Generation	Natural	Castaic Powerplant Pumpback	To Castaic Lake			
							Natural	Project		
Jul 31	1522.75	24,426								
1	1518.95	22,795	-1,631	2,377	0	1,877	0	2,131	0	
2	1514.72	21,047	-1,748	3,594	0	3,422	0	1,921	1	
3	1528.27	26,886	5,839	7,289	0	1,473	0	0	23	
4	1515.08	21,193	-5,693	626	0	3,357	0	2,962	0	
5	1518.88	22,766	1,573	6,467	0	5,167	0	0	273	
6	1519.34	22,960	194	5,806	0	5,756	0	0	144	
7	1526.00	25,861	2,901	5,968	0	3,167	0	0	100	
8	1522.02	24,109	-1,752	1,576	0	3,289	0	0	-39	
9	1522.99	24,531	422	4,736	0	4,336	0	0	22	
10	1523.61	24,802	271	7,581	0	4,750	0	2,561	1	
11	1526.66	26,157	1,355	7,431	0	3,339	0	2,736	-1	
12	1516.08	21,601	-4,556	719	0	5,278	0	0	3	
13	1520.30	23,369	1,768	5,877	0	4,175	0	0	66	
14	1510.60	19,416	-3,953	3,074	0	4,348	0	2,679	0	
15	1520.72	23,548	4,132	9,531	0	2,835	0	2,562	-2	
16	1526.90	26,265	2,717	7,441	0	2,565	0	2,160	1	
17	1532.21	28,713	2,448	9,228	0	3,786	0	2,995	1	
18	1531.56	28,408	-305	465	0	706	0	0	-64	
19	1517.51	22,192	-6,216	356	0	6,434	0	0	-138	
20	1514.72	21,047	-1,145	5,108	0	6,223	0	0	-30	
21	1510.34	19,315	-1,732	5,025	0	3,419	0	3,338	0	
22	1507.34	18,175	-1,140	4,032	0	4,409	0	762	-1	
23	1515.76	21,470	3,295	7,867	0	2,023	0	2,550	1	
24	1521.17	23,742	2,272	7,954	0	2,886	0	2,795	-1	
25	1517.38	22,138	-1,604	1,296	0	2,872	0	0	-28	
26	1509.15	18,859	-3,279	1,444	0	4,789	0	0	66	
27	1516.56	21,798	2,939	6,468	0	3,450	0	0	-79	
28	1517.32	22,113	315	6,706	0	3,568	0	2,824	1	
29	1518.94	22,791	678	6,032	0	2,877	0	2,476	-1	
30	1519.54	23,045	254	5,576	0	2,700	0	2,623	1	
31	1531.27	28,272	5,227	9,250		2,868	0	0	-1,155	
Total				3,846	156,900	0	112,144	0	40,075	
									-835	

**Table 27. Castaic Lake**

Daily Operation

(in acre-feet except as noted)

**August 2001**

Capacity: 323,699 ac-ft

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow		Outflow		Computed Losses (-) And Gains (+)	
				From Elderberry Forebay		Natural	Deliveries		
				Natural	Project				
Jul 31	1489.39	269,404							
1	1489.83	270,289	885	0	2,131	0	1,222	0	
2	1490.19	271,012	723	0	1,921	0	1,103	0	
3	1489.65	269,927	-1,085	0	0	0	1,065	99	
4	1490.53	271,696	1,769	0	2,962	0	1,051	90	
5	1490.05	270,730	-966	0	0	0	991	0	
6	1489.51	269,645	-1,085	0	0	0	1,069	0	
7	1488.91	268,440	-1,205	0	0	0	1,158	0	
8	1488.28	267,178	-1,262	0	0	0	1,277	0	
9	1487.67	265,959	-1,219	0	0	0	1,184	0	
10	1488.45	267,518	1,559	0	2,561	0	1,136	0	
11	1489.27	269,163	1,645	0	2,736	0	1,263	0	
12	1488.70	268,019	-1,144	0	0	0	1,119	0	
13	1488.10	266,818	-1,201	0	0	0	1,244	0	
14	1488.85	268,320	1,502	0	2,679	0	1,188	0	
15	1489.64	269,907	1,587	0	2,562	0	1,218	0	
16	1490.30	271,233	1,326	0	2,160	0	1,263	0	
17	1491.42	273,494	2,261	0	2,995	0	1,298	13	
18	1490.76	272,160	-1,334	0	0	0	1,340	32	
19	1490.13	270,891	-1,269	0	0	0	1,243	32	
20	1489.50	269,625	-1,266	0	0	0	1,193	32	
21	1490.43	271,495	1,870	0	3,338	0	1,390	32	
22	1490.08	270,790	-705	0	762	0	1,458	32	
23	1490.50	271,636	846	0	2,550	0	1,525	32	
24	1491.07	272,786	1,150	0	2,795	0	1,520	0	
25	1490.29	271,213	-1,573	0	0	0	1,590	0	
26	1489.60	269,826	-1,387	0	0	0	1,489	0	
27	1488.82	268,260	-1,566	0	0	0	1,550	0	
28	1489.33	269,283	1,023	0	2,824	0	1,579	0	
29	1489.82	270,269	986	0	2,476	0	1,538	0	
30	1490.39	271,414	1,145	0	2,623	0	1,519	0	
31	1489.70	270,027	-1,387	0	0	0	1,524	0	
<b>Total</b>				623	0	40,075	0	40,307	
							394	1,249	

**Table 28. Governor Edmund G. Brown California Aqueduct**  
 Southern Field Division, Monthly Deliveries (West Branch)

August 2001

(In acre-feet)

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
	Beginning and Ending		No.	Structure	Mile		Entitlement	Rec.	Purchase Pool A	Purchase Pool B	Dry Year Purchase	CLWA T1
29A	42	Oso Pumping Plant	1.49			45,408						
29F	W2	Quail Lake	5.02	Antelope Valley-East Kern Water Agency		Re-moved	2					
		Quail Lake Embankment	7.82	Antelope Valley-East Kern Water Agency		Stub						
29G		Warne Power Plant	14.07			45,132						
29H	W3	Pyramid Lake		Calif. State Park Pyramid Recreation		2	56					
		Pyramid Dam	17.10	Piru Creek Fish Enhancement		0						
29J	W4	Castaic Power Plant	25.82	( 112,144 AF pumpback )		156,900	18,720					
		Elderberry Forebay										
30 1/	W5	Forebay Dam	28.12				2,531					
		Castaic Lake		Calif. State Park Castaic Lake Recreation		56						
30 1/	W5	Castaic Dam	31.47				154	100	100	100	17,428	1,218
				MWD - 78"		0						
				MWD - 132"		36,148						
				Castaic Lake WA - T1		1,218						
				Castaic Lake WA		2,731						
				United Water Conservation Dist.		0						
				MWD - Ventura County FCD		154						
				LA Co. Parks & Recreation		0						
				Releases to Lagoon		394						
				Reach 30 Subtotal:		40,307	21,405	56	100	100	17,428	1,218
	W6	Castaic Lagoon		Recreation to Lagoon		394	394					
		Castaic Lagoon Outlet	31.87									

1/ Reach 30 actually terminates at mile 31.50. It is shown here as including the outlet works at mile 31.55.

All deliveries from the outlet works and from the Lagoon are billed to Reach 30.

**Table 29. Silverwood Lake**

Daily Operation

(in acre-feet except as noted)

Capacity: 74,970 ac-ft

**August 2001**

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow			Outflow					Computed Losses (-) And Gains (+)	Las Flores Ranch Exchange 1/	
							Project			Del. To Mojave W.A.	Natural To Mojave River			
				Mojave Siphon Power-plant	Mojave Bypass Flume	Natural Stream Flow	Delivered to CLAWA	Rec.	San Bernardino Tunnel					
Jul 31	3350.17	70,337												
1	3350.08	70,252	-85	2,175	0	0	7	0	2,301	0	0	48	2	
2	3349.35	69,566	-686	1,436	0	0	6	1	2,112	0	1	-2	0	
3	3349.33	69,547	-19	1,896	0	0	8	0	1,851	0	0	-56	1	
4	3349.23	69,454	-93	1,633	0	0	7	0	1,722	0	0	3	2	
5	3350.93	71,055	1,601	3,669	0	0	6	1	2,049	0	1	-11	2	
6	3351.31	71,416	361	2,459	0	0	7	0	2,062	0	0	-29	2	
7	3351.11	71,226	-190	1,910	0	0	6	1	1,964	0	1	-128	2	
8	3350.77	70,903	-323	1,715	0	0	7	0	2,183	0	0	152	2	
9	3350.29	70,450	-453	1,799	0	0	6	0	2,242	0	0	-4	2	
10	3350.09	70,261	-189	1,686	0	0	6	0	1,814	0	0	-55	2	
11	3349.47	69,678	-583	1,625	0	0	5	1	2,221	0	1	20	2	
12	3351.53	71,625	1,947	3,828	0	0	5	1	1,795	0	1	-79	2	
13	3351.56	71,653	28	2,424	0	0	6	0	2,397	0	0	7	2	
14	3351.71	71,796	143	2,158	0	0	5	1	1,836	0	1	-172	2	
15	3351.72	71,806	10	1,969	0	0	6	0	2,104	0	0	151	2	
16	3351.26	71,368	-438	1,802	0	0	6	0	2,258	0	0	24	2	
17	3350.66	70,799	-569	1,724	0	0	7	1	2,204	0	1	-80	2	
18	3350.26	70,421	-378	1,728	0	0	7	0	2,102	0	0	3	1	
19	3351.52	71,615	1,194	2,953	0	0	8	0	1,743	0	0	-8	2	
20	3351.45	71,549	-66	2,053	0	0	7	1	1,880	0	1	-230	2	
21	3351.34	71,444	-105	1,736	0	0	8	0	1,839	0	0	6	2	
22	3351.18	71,292	-152	1,686	0	0	8	0	1,919	0	0	89	2	
23	3350.99	71,112	-180	1,779	0	0	7	1	1,997	0	1	47	2	
24	3350.14	70,308	-804	1,447	0	0	8	0	2,141	0	0	-102	2	
25	3349.91	70,092	-216	1,710	0	0	8	0	1,973	0	0	55	2	
26	3350.81	70,941	849	2,872	0	0	6	1	1,956	0	1	-59	2	
27	3350.62	70,761	-180	1,670	0	0	8	0	1,860	0	0	18	2	
28	3350.21	70,374	-387	1,754	0	0	7	0	2,149	0	0	15	2	
29	3349.50	69,707	-667	1,808	0	0	7	1	2,353	0	1	-113	2	
30	3349.12	69,351	-356	1,750	0	0	8	0	2,152	0	0	54	2	
31	3348.75	69,005	-346	1,668	0	0	6	1	2,020	0	1	14	2	
<b>Total</b>				-1,332	62,522	0	0	209	12	63,199	0	12	-422	58

1/ Project water delivered from Mojave Siphon in exchange for like amount of Natural Streamflow.

**Table 30. Lake Perris**

Daily Operation

(in acre-feet except as noted)

Capacity: 131,452 ac-ft

**August 2001**

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow 1/	Outflow 2/	Computed Losses (-) Gains (+) 1/
Jul 31	1583.72	117,176				
1	1583.75	117,242	66		8	
2	1583.89	117,554	312		18	
3	1583.96	117,710	156		9	
4	1584.01	117,821	111		9	
5	1584.10	118,022	201		8	
6	1584.18	118,200	178		11	
7	1584.21	118,267	67		8	
8	1584.28	118,424	157		9	
9	1584.33	118,535	111		9	
10	1584.33	118,535	0		9	
11	1584.37	118,625	90		8	
12	1584.38	118,647	22		30	
13	1584.43	118,759	112		184	
14	1584.46	118,826	67		9	
15	1584.52	118,960	134		9	
16	1584.50	118,915	-45		9	
17	1584.51	118,937	22		9	
18	1584.56	119,049	112		8	
19	1584.58	119,094	45		10	
20	1584.58	119,094	0		9	
21	1584.52	118,960	-134		19	
22	1584.63	119,206	246		9	
23	1584.63	119,206	0		10	
24	1584.73	119,430	224		9	
25	1584.80	119,587	157		9	
26	1584.86	119,721	134		10	
27	1584.91	119,833	112		9	
28	1584.92	119,856	23		9	
29	1584.90	119,811	-45		9	
30	1584.90	119,811	0		10	
31	1584.87	119,744	-67		9	
<b>Total</b>			2,568	5,712	495	-2,649

1/ Readings are not taken on a daily basis. End of month only.

2/ Includes deliveries to MWD from Reach 28J and recreation water to California State Park at lake Perris.

**Table 31a. Governor Edmund G. Brown California Aqueduct**  
 Southern Field Division, Monthly Deliveries (East Branch)

(In acre-feet)

**August 2001**

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
	Beginning and Ending					Entitle-ment	Rec.	Transfer 1/	Dry Year Purchase	Transfer Local Out		
	No.	Structure	Mile									
17E	40	Edmonston Pumping Plant	293.45		121,116							
	41		298.65	Kern County Water Agency Tej.-Cas	Stub							
17F		Check No. 41	303.41									
18A	42	Check No. 42	304.99									
19	43	Alamo Powerplant	305.73	(Does not include 26,945 AF flow down Cottonwood Chute)	47,438	83	2,207	164	1,457			
			308.05	Antelope Valley-East Kern WA	0							
		Check No. 43	309.70									
	44		311.84	LADWP Connection	0							
			313.50	AVEK 245th Street West	0							
	Check No. 44		314.81									
	45		314.93	AVEK 235th Street West	83							
			315.57	AVEK 225th Street West	0							
	Check No. 45		319.74									
	46		323.19	Antelope Valley-East Kern WA Fairmont	3,828							
		Check No. 46	323.84									
				Reach 19 Total:	3,911	2,290	0	164	1,457	0		
20A	47	Check No. 47	326.77			148	1,778	33	2,144			
	48		326.91	Antelope Valley-East Kern WA Willow Springs Siphon	149							
			329.65	Antelope Valley-East Kern WA 120th Street West	Re-moved							
		Check No. 48	330.82									
	49	Check No. 49	335.93									
20B	50		336.73	AVEK WA - Quartz Hill (Wheeled for Palmdale WD)	0	123	1,972	33	12			
				Antelope Valley-East Kern WA	3,922							
		Check No. 50	341.51									
	51	Check No. 51	342.07									
	52		342.80	Antelope Valley-East Kern WA 30th Street West	Not in Use							
		Check No. 52	343.74									
	53		346.98	PWD Palmdale	1,972							
			348.14	Antelope Valley-East Kern WA Acton Treatment Plant	33							
		Check No. 53	348.17									
21	54	Check No. 54	350.25									
	55	Check No. 55	352.70									
	56	Check No. 56	354.76									
			354.97	Littlerock Creek I.D.	0							
	57	Check No. 57	356.93									
22A	58		357.60	Antelope Valley-East Kern WA	12	115	539	73	12			
			357.72	Antelope Valley-East Kern WA 96th Street East	188							
			359.82	Antelope Valley-East Kern WA East Side Treatment Plant	539							

1/ AVEK transferred this water to Mojave Water Agency.

**Table 31b. Governor Edmund G. Brown California Aqueduct**  
 Southern Field Division, Monthly Deliveries (East Branch, Continued)

(In acre-feet)

**August 2001**

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries							
	Beginning and Ending					Entitlement	Rec	Purchase Pool A	Purchase Pool B	Dry Year Purchase	Local		
	No.	Structure	Mile										
22B	58	Pearblossom Pumping Plant	360.61		61,104	250	250				58		
	59	Check No. 59	366.09										
	60	Check No. 60	373.94										
	61	Check No. 61	379.00										
	62	Check No. 62	384.26										
	63	Check No. 63	389.20	Mojave Water Agency Mojave River	0								
	64	Check No. 64	395.10										
	65	Check No. 65	400.32										
	66		401.10	Mojave Water Agency Morongo 24" and 42"	250								
					0								
23	Check No. 66	403.41											
	Mojave Siphon	405.48		Las Flores Ranch	58								
24	Mojave Siphon Powerplant	405.65			62,522	209	12				10,574		
	Silverwood Lake	407.65		Crestline Lake Arrowhead Water Agency	209								
25	San Bernardino Tunnel			Calif. State Park Silverwood Agency (Rec.)	12								
		411.46		San Gorgonio Pass Water Agency	63,199								
26A	Devil Canyon Powerplant	412.73			0	12,260	3,142						
	Devil Canyon Afterbay Control Structures	412.88		MWD-SC Rialto	22,834								
				Desert Water Agency (MWD Wheeling Exchange)	3,142								
				San Gabriel Valley Water District	0								
				Coachella Valley WD (MWD Wheeling Exchange)	2,849								
				San Bernardino Valley MWD 24" and 72"	2,394								
				San Bernardino Valley MWD 48"	296								
				MWD (SBVMWD Exchange)	0								
28G	Santa Ana Valley Pipeline	425.46											
28H		433.06		MWD-SC Box Springs	10,017	5,731	16,904	286	54	103	4,286		
		440.05		MWD-SC Perris Bypass Pipeline	16,904								
28J		442.00		MWD-SC 18"	286								
Lake Perris	443.44		MWD-SC 54"	54									
			MWD-SC 78"	103									
			Calif. State Park Lake Perris Recreation	52									
				MWD Total:	93,709	60,203	0	0	0	32,288	1,218		

**Table 32. Water Quality At Selected SWP Locations**

August 2001

Constituent	Units	Thermalito Afterbay At Outlet	North Bay Aqueduct Barker Slough Pumping Plant	Banks Pumping Plant	Delta Mendota Canal At McCabe Rd.	California Aqueduct				Devil Canyon Afterbay Near San Bernardino
						O'Neill Forebay Outlet (Check 13)	Kettleman City (Check 21)	Near Hwy 119 (Check 29)	Tehachapi Afterbay (Check 41)	
Alkalinity	mg/l as CaCO <sub>3</sub>	43	81	70	73	76	74	74	72	82
Antimony	mg/l	NR	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NR	NR
Arsenic	mg/l	<0.001	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.004
Beryllium	mg/l	NR	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Boron	mg/l	<0.1	0.1	<0.1	0.1	0.1	0.1	0.1	0.1	0.2
Bromide	mg/l	NR	0.03	0.44	0.30	0.27	0.22	0.25	0.20	0.19
Calcium	mg/l	8	13	16	18	18	18	18	19	21
Carbon - Dissolved Organic	mg/l as C	NR	3	2	3	3	3	2	2	3
Carbon - Total Organic	mg/l as C	NR	5	3	3	3	4	3	4	3
Chloride	mg/l	<1	12	99	96	87	71	79	63	3
Chromium	mg/l	0.003	0.005	0.005	0.004	0.004	0.004	0.004	0.004	64.000
Copper	mg/l	<0.001	0.002	0.002	0.002	0.002	0.003	0.002	0.002	0.005
Fluoride	mg/l	<0.1	0.1	<0.1	<0.1	<0.1	<0.1	0.1	0.1	0.0
Hardness	mg/l as CaCO <sub>3</sub>	36	74	94	103	98	91	94	89.5	0.1
Iron	mg/l	<0.005	<0.005	<0.005	0.014	0.030	0.056	<0.005	<0.005	98.000
Lead	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005
Magnesium	mg/l	4	10	13	14	13	11.5	12	10.5	<0.001
Manganese	mg/l	<0.005	0.008	0.012	<0.005	0.009	<0.005	<0.005	<0.005	11.000
Nitrate + Nitrite	mg/l as N	<0.01	0.15	0.24	NR	NR	0.35	NR	0.44	<0.005
Phosphorus-Ortho	mg/l as P	<0.01	0.09	0.07	NR	NR	0.09	NR	0.08	0.52
Phosphorus-Total	mg/l	<0.01	0.17	0.10	NR	NR	0.12	NR	0.11	0.09
Selenium	mg/l	NR	<0.001	0.001	NR	NR	NR	0.001	NR	0.090
Sodium	mg/l	3	17	60	64	57	47	53	45	NR
Specific Conductance	µS/cm	90	226	519	514	495	437	463	412	49
Sulfate	mg/l	2	13	27	28	31	28.5	30	30	452
Total Dissolved Solids	mg/l	56	125	274	270	272	238.25	245	227.5	39
Turbidity	NTU	3	81	14	14.5	5	14.75	9	17.5	252
Zinc	mg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	3

mg/l milligrams per liter

µg/l micrograms per liter

µS/cm microSiemens per centimeter

NR - Not Reported

NTU - nephelometric turbidity units

**Table 33. Water Quality At Selected Delta Stations**

August 2001

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Date	Tides (feet above mean sea level)		Flow In CFS		Electrical Conductivity in millisiemens/cm								Cl in mg/l		
			Net Delta Outflow Index		Rio Vista	Antioch	Chippis island	Emmaton		Jersey Point		Clifton Court	Cache Slough	Delta Mendota Canal	Contra Costa Canal Intake
	(Antioch) Daily Mean		Mean Daily	Monthly Average											
	Hi	Half			md	md	md	14dm	md	14dm	md	md	md	md	
1	3.47	1.47	4,512	4,512	8,134	3.41	10.62	1.07	1.19	1.29	1.10	0.44	0.49	0.41	83
2	3.37	1.38	4,318	4,415	8,332	3.73	10.66	1.14	1.18	1.30	1.13	0.46	0.47	0.42	97
3	3.43	1.48	4,462	4,431	8,076	3.85	11.19	1.34	1.18	1.34	1.15	0.45	0.48	0.42	106
4	3.42	1.39	3,939	4,308	7,739	4.01	11.16	1.40	1.17	1.35	1.17	0.45	0.49	0.42	114
5	3.17	1.22	3,626	4,171	7,430	3.43	10.28	1.21	1.15	1.27	1.19	0.45	0.51	0.42	126
6	2.89	1.06	4,071	4,155	7,069	3.16	9.85	1.01	1.12	1.21	1.20	0.46	0.56	0.43	127
7	2.72	1.11	4,194	4,160	6,866	3.25	10.34	1.05	1.10	1.23	1.21	0.47	0.55	0.44	132
8	2.60	1.24	3,610	4,091	6,760	3.79	10.15	1.14	1.07	1.28	1.22	0.48	0.47	0.43	138
9	2.68	1.48	3,659	4,043	6,742	4.06	11.60	1.53	1.11	1.33	1.24	0.49	0.38	0.44	140
10	2.62	1.23	3,957	4,035	7,077	3.78	10.51	1.03	1.12	1.19	1.25	0.49	0.40	0.45	145
11	2.82	1.11	4,347	4,063	7,296	3.56	9.95	0.80	1.12	1.19	1.26	0.50	0.44	0.44	143
12	3.02	1.19	4,739	4,120	6,688	3.69	10.28	0.94	1.12	1.20	1.26	0.52	0.40	0.45	140
13	3.15	1.22	3,675	4,085	7,232	3.66	10.09	0.89	1.11	1.20	1.26	0.52	0.42	0.46	142
14	3.32	1.23	3,548	4,047	6,958	3.49	9.74	0.91	1.10	1.26	1.26	0.52	0.44	0.46	143
15	3.32	1.24	2,899	3,970	10,003	3.82	10.16	1.04	1.10	1.38	1.27	0.54	0.45	0.48	154
16	3.48	1.21	3,447	3,938	10,078	4.00	10.57	1.29	1.11	1.37	1.27	0.57	0.45	0.49	157
17	3.55	1.25	3,016	3,883	9,939	4.19	10.95	1.38	1.12	1.45	1.28	0.57	0.44	0.49	163
18	3.62	1.28	3,028	3,836	10,393	4.49	11.61	1.50	1.12	1.54	1.29	0.58	0.40	0.47	164
19	3.55	1.29	2,999	3,792	9,495	4.68	11.77	1.65	1.15	1.56	1.31	0.58	0.41	0.48	165
20	3.46	1.33	3,100	3,757	6,545	4.80	12.44	1.90	1.22	1.59	1.34	0.58	0.40	0.49	171
21	3.00	1.14	3,833	3,761	6,663	4.47	11.75	1.59	1.26	1.51	1.36	0.57	0.45	0.49	172
22	2.57	1.02	3,282	3,739	6,432	4.23	11.60	1.62	1.29	1.47	1.37	0.59	0.46	0.50	174
23	2.50	0.78	3,005	3,707	6,647	3.77	11.03	1.24	1.27	1.41	1.38	0.58	0.48	0.50	177
24	2.68	0.81	2,596	3,661	6,253	3.78	10.61	1.19	1.28	1.40	1.40	0.57	0.50	0.50	182
25	2.89	0.92	2,429	3,612	5,877	4.28	10.92	1.25	1.31	1.48	1.42	0.58	0.52	0.51	185
26	2.95	1.05	2,684	3,576	5,941	4.24	11.43	1.28	1.34	1.55	1.44	0.62	0.63	0.54	188
27	2.99	1.06	3,066	3,557	9,205	4.40	11.36	1.28	1.37	1.60	1.47	0.63	0.65	0.55	188
28	2.99	1.22	3,327	3,549	5,811	4.46	12.28	1.66	1.42	1.75	1.50	0.63	0.57	0.54	192
29	3.21	1.45	3,002	3,530	6,022	5.01	13.57	2.15	1.50	1.88	1.54	0.64	0.46	0.54	191
30	3.38	1.43	3,140	3,517	6,413	5.40	13.71	2.37	1.58	1.93	1.58	0.64	0.44	0.55	190
31	3.18	1.21	4,070	3,535	6,376	4.85	12.64	2.06	1.62	1.76	1.60	0.63	0.44	0.54	189

Clifton Court Cl(mg/l)=200X EC - 25

e = Estimated

N.R. = No Record.

N.C. = Not computed due to insufficient data.

f = Excess Delta conditions with fish concerns.

r = Excess delta conditions with export/inflow ratio concerns.

s = Balanced water conditions with storage withdrawals.

dm = Daily Mean

md = Mean Daily

**Table 34. Pesticides, Herbicides, and Other Organic Substances Detected In the SWP**

**August 2001**

Sampling Location	Sample Date 1/	Chemical Detected	Concentration µg/l 2/
North Bay Aqueduct At Barker Slough Pumping Plant	June 20, 2001	2,4-Dichlorophenylacetic acid (DCAA)	0.41
California Aqueduct At Banks Pumping Plant	June 20, 2001	None Detected	
Delta Mendota Canal At McCabe Road	June 20, 2001 June 20, 2001	2,4-Dichlorophenylacetic acid (DCAA) Methyl tert-butyl ether (MTBE)	0.375 2.20
California Aqueduct Near Kettleman City (Check 21)	June 19, 2001	2,4-Dichlorophenylacetic acid (DCAA)	0.52
California Aqueduct At Tehachapi Afterbay (Check 41)	June 20, 2001	2,4-Dichlorophenylacetic acid (DCAA)	0.31
Devil Canyon Power Plant At Entrance To Santa Ana Pipeline	June 20, 2001	None Detected	

1/ Locations are normally sampled during March, June, and September. Monthly reports will include data for the month in which samples were most recently taken.

2/ Micrograms per liter.

**Table 35. Oroville and Delta Field Divisions Energy Data**

(in kWh)

**August 2001**

Date	Oroville Thermalito Complex		Barker Slough Pumping Plant	Cordelia Pumping Plant Load	Banks Pumping Plant		South Bay Pumping Plant Load	Del Valle Pumping Plant Load
	Generation	Load			Total Load	SWP Load		
1	7,207,776	0	37,597	41,846	2,834,112	2,240,112	445,775	9,480
2	6,739,776	1,207,872	40,614	38,374	2,555,904	1,961,904	429,585	8,498
3	6,312,960	0	32,116	36,253	2,554,560	1,960,560	428,915	8,157
4	1,189,728	0	33,117	36,015	2,708,928	2,114,928	415,410	5,972
5	1,440,864	12,096	31,759	34,146	2,666,112	2,072,112	415,590	4,480
6	6,645,600	913,248	32,746	37,142	2,239,104	1,645,104	373,145	2,416
7	6,723,072	3,168	31,640	35,917	2,295,744	1,701,744	369,660	216
8	6,055,776	3,744	36,778	38,122	2,250,432	1,656,432	352,260	254
9	6,441,984	2,880	41,678	38,801	1,913,280	1,319,280	364,965	281
10	5,188,896	3,456	35,546	39,389	1,662,720	1,068,720	405,655	2,055
11	1,148,832	8,064	40,439	40,054	1,852,608	1,258,608	435,015	4,620
12	1,300,896	5,760	36,533	35,427	1,741,248	1,147,248	428,885	4,722
13	6,725,376	2,592	31,577	36,092	1,889,280	1,295,280	416,530	2,387
14	6,819,552	2,304	30,352	33,488	2,460,864	1,866,864	415,200	1,688
15	5,709,888	2,016	36,260	39,886	2,501,952	1,907,952	420,020	1,158
16	5,735,808	2,880	40,586	38,717	2,474,880	1,880,880	447,180	3,363
17	6,480,576	2,592	34,860	37,597	2,640,000	2,046,000	453,365	2,929
18	3,178,944	2,592	35,875	36,414	2,920,512	2,326,512	385,405	263
19	1,816,416	311,904	35,014	35,448	2,891,136	2,297,136	385,645	247
20	5,573,088	799,776	28,420	35,868	2,013,120	1,419,120	404,755	234
21	4,761,504	2,880	31,073	33,502	2,346,432	1,752,432	413,570	238
22	4,775,616	4,032	26,355	32,620	2,282,688	1,688,688	449,415	5,138
23	2,750,400	2,880	34,286	32,340	2,149,440	1,555,440	430,265	4,790
24	7,168,896	2,880	32,375	36,673	2,344,512	1,750,512	361,340	266
25	3,659,904	2,880	36,036	37,324	2,431,104	1,836,104	364,630	306
26	48,960	8,640	36,855	37,940	2,003,136	1,408,136	354,880	312
27	4,743,072	767,520	33,082	38,374	1,891,968	1,296,968	367,680	317
28	4,486,464	3,168	33,621	39,193	1,611,840	1,016,840	375,245	325
29	3,409,632	1,579,392	36,939	39,683	1,894,272	1,299,272	364,930	304
30	3,381,696	2,880	44,968	43,638	2,151,936	1,556,936	359,900	292
31	1,514,592	5,184	40,110	49,217	1,661,952	1,066,952	359,770	296
Total	139,136,544	5,669,280	1,089,207	1,165,500	69,835,776	51,414,776	12,394,585	76,004

**Table 36. San Luis Field Division Energy Data**

(in kWh)

**August 2001**

Date	Dos Amigos Pumping Plant		Gianelli Pumping-Generating Plant			
	Total Load	SWP Load 1/	Total Generation	SWP Generation 1/	Total Load	SWP Load 1/
1	1,744,272	1,253,272	879,840	663,840	395,136	395,136
2	1,519,488	893,488	1,117,152	955,152	884,448	884,448
3	1,744,992	1,118,992	657,792	657,792	14,688	14,688
4	1,580,832	954,832	1,483,488	889,488	10,368	10,368
5	1,942,560	1,316,560	150,912	150,912	12,960	12,960
6	1,188,000	562,000	487,584	244,584	11,808	11,808
7	1,346,544	720,544	203,904	14,904	13,248	13,248
8	1,398,672	772,672	203,904	-12,096	16,128	16,128
9	1,425,168	799,168	229,536	-13,464	909,216	909,216
10	1,739,808	1,113,808	1,105,344	577,344	10,080	10,080
11	1,702,656	1,076,656	729,216	393,216	12,096	12,096
12	1,963,296	1,514,296	1,496,736	1,352,736	6,336	6,336
13	1,466,784	1,017,784	1,074,528	858,528	8,928	8,928
14	1,660,176	1,211,176	1,161,216	945,216	7,776	7,776
15	1,486,800	1,037,800	815,904	815,904	93,888	93,888
16	1,498,320	1,049,320	168,768	168,768	731,520	346,520
17	1,564,272	1,031,272	397,728	397,728	11,232	11,232
18	1,556,064	1,016,064	974,304	38,304	11,520	11,520
19	1,658,448	1,118,448	0	0	226,656	226,656
20	1,142,496	613,496	349,632	349,632	816,768	816,768
21	1,432,944	902,944	593,280	593,280	11,520	11,520
22	1,128,096	598,096	345,024	345,024	631,584	631,584
23	1,263,600	733,600	667,296	667,296	216,864	216,864
24	1,057,968	527,968	0	0	1,256,544	1,256,544
25	1,105,344	352,344	0	0	626,400	626,400
26	1,064,016	278,016	0	0	18,144	18,144
27	785,376	95,376	0	0	1,646,496	1,646,496
28	1,120,752	430,752	0	0	969,696	969,696
29	1,042,128	352,128	374,688	374,688	689,472	689,472
30	1,163,664	833,664	0	0	887,904	23,904
31	1,104,624	774,624	879,264	879,264	881,568	17,568
Total	43,598,160	26,071,160	16,547,040	12,308,040	12,040,992	9,927,992

1/ Negative values may appear in SWP columns and indicate a mismatch of scheduled CVP energy and actual pumping; adjustments to SWP water shares are made to balance the mismatch.

**Table 37. San Joaquin Field Division Pumping Plant Energy Load Data**

(in kWh)

August 2001

Date	Coastal Branch					California Aqueduct			
	Las Perillas	Badger Hill	Devils Den	Bluestone	Polonio	Buena Vista	Teerink	Chrisman	Edmonston
1	36,820	103,816	69,048	67,122	67,908	1,155,240	1,200,384	2,669,472	9,658,800
2	35,394	95,464	62,748	60,030	61,866	1,040,256	1,011,528	2,169,792	7,725,600
3	36,644	101,360	68,400	64,548	67,284	1,227,600	1,170,144	2,526,912	9,159,840
4	39,732	108,032	62,838	59,292	61,866	1,063,800	1,140,696	2,492,352	9,162,720
5	34,050	96,048	56,628	55,368	56,556	1,697,256	1,772,496	3,981,312	14,520,960
6	33,296	91,784	66,852	64,422	66,492	722,376	716,040	1,570,752	5,556,240
7	36,406	98,776	67,140	63,864	67,428	666,360	634,104	1,380,672	5,024,880
8	33,932	97,120	65,394	62,640	63,882	767,448	721,224	1,533,888	5,420,880
9	31,192	85,008	61,920	58,086	60,678	759,888	713,448	1,515,744	5,413,680
10	37,216	103,360	67,914	65,088	67,338	1,110,384	1,070,640	2,343,744	8,645,760
11	42,582	123,480	66,096	62,370	65,394	1,097,640	1,101,168	2,399,616	8,614,080
12	34,524	98,224	65,466	62,136	64,404	1,689,048	1,756,584	3,927,456	14,523,120
13	31,174	85,448	64,386	60,678	64,332	902,952	964,152	2,142,720	7,467,840
14	31,530	88,408	62,298	59,778	61,434	1,135,872	1,127,592	2,455,200	8,967,600
15	29,532	79,832	63,810	60,624	63,144	1,115,280	1,128,888	2,511,648	8,953,920
16	30,200	80,496	76,284	71,820	75,240	1,091,664	1,074,528	2,335,104	8,485,200
17	29,688	80,720	61,992	57,096	59,832	1,159,920	1,176,480	2,623,104	9,452,880
18	38,406	111,256	98,064	96,408	96,786	1,079,424	1,107,576	2,426,112	8,727,840
19	35,236	103,528	82,620	78,426	82,836	1,372,032	1,496,952	3,402,144	12,317,040
20	26,774	74,504	58,338	54,900	57,312	891,432	930,600	2,015,424	7,220,880
21	23,540	64,136	59,040	56,214	59,166	1,091,808	1,098,360	2,418,336	8,735,760
22	30,562	82,808	60,876	58,284	61,434	1,043,712	1,115,280	2,455,488	8,951,760
23	29,328	86,224	64,818	60,876	62,982	1,032,480	1,053,792	2,293,920	8,354,880
24	30,592	84,864	66,636	62,766	65,376	976,320	1,015,920	2,223,936	7,847,280
25	36,176	100,480	66,312	64,152	65,538	988,920	1,069,776	2,382,336	8,517,600
26	30,498	85,224	69,066	64,260	69,210	1,258,488	1,398,240	3,168,576	12,021,840
27	30,326	83,448	52,398	49,824	52,452	849,888	885,888	1,919,808	6,646,320
28	35,432	99,168	54,972	51,102	55,530	1,075,248	1,179,720	2,606,976	9,528,480
29	35,642	100,120	65,502	61,578	62,946	1,073,664	1,155,240	2,532,960	9,060,480
30	35,840	99,456	72,648	69,696	71,856	1,123,416	1,172,088	2,583,936	9,550,080
31	30,346	85,832	80,766	76,752	78,354	1,065,384	1,131,264	2,439,648	8,900,640
Total	1,032,610	2,878,424	2,061,270	1,960,200	2,036,856	33,325,200	34,290,792	75,449,088	273,134,880

**Table 38. Southern Field Division Energy Data**

(in kWh)

**August 2001**

Date	West Branch			East Branch			
	Oso Pumping Plant Load	Warne Powerplant Generation	Castaic Powerplant SWP Generation	Alamo Powerplant Generation	Pearblossom Pumping Plant Load	Devil Canyon Powerplant Generation	Mojave Siphon Powerplant Generation
1	395,304	1,066,320	1,560,000	0	1,445,340	2,828,928	170,604
2	381,136	1,085,760	1,560,000	0	1,061,448	2,591,904	114,639
3	465,192	1,165,248	1,560,000	0	1,156,860	2,286,912	154,266
4	527,296	1,320,840	1,560,000	0	1,133,076	2,103,840	126,630
5	512,792	0	1,560,000	0	2,485,536	2,528,832	293,475
6	7,672	0	0	0	1,454,220	2,539,968	188,853
7	28,840	0	0	0	1,242,096	2,418,816	144,858
8	28,840	0	0	0	1,220,508	2,666,496	132,657
9	53,592	301,608	0	53,592	1,174,260	2,742,336	143,808
10	415,128	1,322,856	1,680,000	224,308	1,148,964	2,222,208	139,818
11	400,176	1,412,208	1,680,000	226,296	1,200,588	2,726,112	126,483
12	468,552	0	1,680,000	422,128	2,620,632	2,203,776	302,484
13	263,480	943,704	1,560,000	244,468	1,351,044	2,845,440	189,420
14	505,792	1,206,144	1,560,000	217,364	1,417,704	2,265,600	164,430
15	434,392	1,189,296	1,560,000	250,236	1,223,904	2,573,280	153,531
16	441,560	1,144,296	1,560,000	233,716	1,149,744	2,742,432	144,648
17	485,688	948,456	1,560,000	264,068	1,121,028	2,690,016	139,251
18	424,760	1,196,136	1,560,000	250,544	1,165,824	2,581,248	140,511
19	524,384	337,608	1,560,000	395,724	2,022,816	2,127,264	237,006
20	254,352	1,133,352	1,560,000	197,512	1,157,664	2,315,040	164,136
21	556,360	1,083,960	1,560,000	203,784	1,169,592	2,259,168	139,230
22	454,608	1,082,376	1,560,000	240,380	1,232,196	2,332,416	134,673
23	460,264	1,041,624	1,560,000	224,756	1,061,088	2,453,088	138,159
24	351,960	1,053,864	1,560,000	248,612	934,080	2,613,600	115,290
25	388,640	1,101,384	1,560,000	257,740	1,149,852	2,432,160	136,290
26	425,096	0	1,560,000	425,068	2,159,124	2,411,136	226,233
27	377,272	1,067,400	1,560,000	188,804	900,180	2,292,768	129,507
28	509,544	1,132,128	1,560,000	263,480	1,311,732	2,639,424	131,145
29	495,096	994,896	1,560,000	225,316	1,099,008	2,881,344	139,104
30	491,064	1,156,248	1,560,000	258,188	1,199,940	2,632,320	138,936
31	531,384	1,140,552	1,560,000	217,392	1,058,580	2,466,528	133,014
Total	12,060,216	26,628,264	42,480,000	5,733,476	41,228,628	77,414,400	4,933,089